WL-TR-97-4036

TRACTION DATA ANALYSIS

Part 2: Behavior of Some Aerospace Fluids and Lubricants



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JANUARY 1997

FINAL REPORT FOR PERIOD MARCH 1995 - JANUARY 1996

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REPORT DOCUMENTATION PAGE

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1. AGENCY USE ONLY (Leave blank)	2. REPORT DATE		T TYPE AND DATES COVERED		
	January 1997	FINAL	Mar 9	95 - Jan 96	
4. TITLE AND SUBTITLE			-	5. FUNDING NUMBERS	
Traction Data Analysis				C: F33615-92-C-5902	
Part 2: Behavior of Som	o Aomonnoo Eluida	. C. Tubmico	- +-	PR: 2421	
Part 2: Benavior of Son	e Aerospace Fluids	s & Lubrica	nts	PE: 62102F	
6. AUTHOR(S)				TA: 6P	
				WU: 04	
Pradeep K. Gupta					
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7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)			8. PERFORMING ORGANIZATION	
				REPORT NUMBER	
Pradeep K. Gupta Inc					
117 Southbury Road,					
Clifton Park, New York	12065-7714				
·					
9. SPONSORING/MONITORING AGENCY	NAME(S) AND ADDRESS(ES	5)		10. SPONSORING / MONITORING	
Materials Directorate				AGENCY REPORT NUMBER	
Wright Laboratory					
Air Force Materiel Comma	ınd				
Wright-Patterson Air For					
POC: Shashi K. Sharma;	WL/MLBT; (937) 255	5-9029		WL-TR-97-4036	
11. SUPPLEMENTARY NOTES					
12a. DISTRIBUTION / AVAILABILITY STAT	EMENT			12b. DISTRIBUTION CODE	
-					
Approved for public rele	ase	***			
Distribution Unlimited					
13. ABSTRACT (Maximum 200 words)					
Traction behavior of sev	veral aerosnace flu	uids and lu	hricat	nts is correlated to	

Traction behavior of several aerospace fluids and lubricants is correlated to simplified Newtonian models based on viscosity-pressure-temperature relations. Model coefficients are derived by regression analysis of experimental traction data, which is obtained by a conventional rolling disk type test machine. The model provides fast computation of traction coefficient under prescribed operating conditions and it is well suited for complex computer codes for the dynamic performance simulation of rolling bearings, where the required amount of computer time often imposes severe restrictions on use of the model for practical design.

14. SUBJECT TERMS			15. NUMBER OF PAGES		
	Traction, Modeling, Polyalphaolefin, Pennzone, Silahydrocarbon, Pressure-Viscosity, Space Lubricant				
17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT		
UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED	SAR		

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FOREWORD

This report documents the second and final set of traction data and model correlations obtained under this effort. The first data set was reported in the interim report, WL-TR-95-5056. All the experimental data were obtained at the Air Force Materials Directorate (WL/MLBT). The effort was carried out under Air Force Contract F33615-92-C-5902 with Mr. Shashi K. Sharma (WL/MLBT) as the Air Force Technical Monitor.

1. Executive Summary

Introduction

Lubricant behavior as a function of the operating variables in rolling/sliding contacts has proven to be critical in controlling performance of mechanical components such as rolling bearings, gears and cams. Lubricant traction, in most cases, is the primary force which contributes to acceleration of bearing elements, and thereby affects the overall dynamics and stability. Lubricant rheology has, therefore, been a subject of considerable interest over many years. Aside from classical Newtonian models where the lubricant behavior is modeled in terms of viscosity variation as a function of pressure and temperature, a number of investigations have considered visco-elastic effects, where, in addition to viscosity, properties such as shear modulus and critical shear stress define the lubricant behavior. Although both types of these models may provide acceptable prediction of traction behavior, there are two general problems when applying the models for practical design: first it is extremely difficult to independently measure the required fundamental properties, and secondly mathematical complexity of the models require a substantial amount of computing effort and, therefore impose significant restrictions on practical use of component performance simulation models, such as bearing dynamics computer codes. A viable approach has been to experimentally measure the traction behavior and then back fit the data to simplified models to estimate the constitutive constants by regression analysis. Such an approach, although weak in providing physical justification to specific behavior, does provide reasonable prediction of traction with a minium of computing effort. These semi-empirical models therefore become immediately useful to component models for practical design and performance simulation. The present investigation considers such an approach for a number of lubricants particularly used in a wide range of aerospace applications.

Experimental

As done in many past investigations [1-3], a rolling disk type of apparatus constitutes the basic foundation of the experimental investigation. Briefly, a pair of disk specimens are driven independently when a radial load is applied to form a concentrated contact. The rotational velocities of the disks are varied such that while the difference in the two surface velocities increases, sum of the two velocities is kept constant. Thus the rolling speed remains constant while the sliding velocity is varied. Torque transducers on one of the disk specimens measures the torque, which can be easily converted to traction force or traction coefficient, defined as a ratio of the traction force to applied normal load. The torque and slip signals are fed to a data acquisition system where the data may be digitized and stored for later processing. The experiment is repeated over a range of applied load, rolling velocities and operating temperatures. Such a data base is generated for each lubricant to be modeled.

Test Specimens, Lubricants and Operating Conditions

The number of fluids considered in the current investigation along with the geometry of disk specimens are summarized in table 1. The combination of varying crown and rolling radii result in a

range of contact ellipticity ratio from one, corresponding to a circular point contact, to infinity for a pure line contact. General characteristics and a brief description of each of the test fluids is presented below:

Lubricant A: MIL-L-7808: This is a very common lubricant used in gas turbine engines for a wide range of military aircrafts. Studies of traction behavior and overall rheology of this fluid has been of considerable interest over the past couple of decades. Some of the most recent investigations [4-6] have been devoted to modeling visco-elastic effects and their significance in overall effect on rolling bearing behavior in a gas turbine engine.

Lubricant B: Mobil RL-714: This fluid is a PAO (polyalphaolefin) synthetic hydrocarbon base oil used in automobile oils, industrial lubricants and greases.

Lubricant C: Shell Turbo-78. Shell turbo-78 is a lubricating oil for steam turbines and gears and similar moderate service applications. It conforms to the MIL-L-17331G, Amendment 1, specification.

Lubricant D: MLO 89-126 Coray 100: Primarily for space applications, this lubricant is a naphthenic mineral oil formulated with tricresylphosphate (TCP).

Lubricant E: MLO 89-126: This fluid is same as lubricant D (Coray 100) after 30.5% evaporation by weight.

Lubricant F: MLO 93-192: This is an experimental hydraulic fluid formulated with a PAO (polyalphaolefin) base oil, 15.6% of a viscosity index improver and other additives.

Lubricant G: MLO 84-473: Another fluid, for space applications, formulated with 95% PAO base oil with 5% Bardahl antiwear additive.

Lubricant H: MLO 81-288 VacKote: Also for space applications, this fluid consists of 95% paraffinic mineral base oil (Apiezon-C) and 5% Bardahl additive.

Lubricant I: MLO 81-288: Another sample of lubricant H.

Lubricant J: MLO 90-715: This is a di-2-ethylene sebacate ester base oil.

Lubricant K: MLO 90-715: Another sample of lubricant J.

Lubricant L: MLO 91-119 Pennzane: This is a multialkylated cyclopentane oil based space lubricant.

Lubricant M: MLO 89-180 Vistalube-7: Also for space applications, this is an alkylbenzene base oil.

The inlet temperature in all cases varied in the range of 300 to 422 °K, while the range for rolling speed was approximately 2 to 20 M/S. Contact loads were varied to produce a variation of contact stress in the range of about 0.30 to 2.0 GPa.

Viscosity-Pressure-Temperature Relations

As will be discussed later, the computation of lubricant film thickness in the contact requires the viscosity-pressure-temperature relation at moderate pressures. While this data was available in the literature for some of the test fluids, the viscosity was actually measured as a function of pressure and temperature for several of the test fluids. In all cases a relationship of the following form is

used:

$$\mu = \mu_o \left\{ \exp \alpha p + \beta \left(\frac{1}{T_o} - \frac{1}{T} \right) + \gamma p \left(\frac{1}{T_o} - \frac{1}{T} \right) \right\}$$

where μ is the viscosity at pressure p and temperature T, μ_o is the reference viscosity at reference temperature T_o , and α , β , γ , are respectively the viscosity-pressure, viscosity-temperature and viscosity-pressure-temperature coefficients.

The experimental viscosity data are curve fitted to the above equation and the various coefficients are computed by regression analysis. Typical fit is shown in Figure 1, and the computed coefficients for the test fluids, considered for traction modeling, are summarized in Table 2.

Data Preprocessing

The raw experimental data consist of disk rpm and torque, as measured by a transducer on one of the disks. The data are generally plotted as torque versus the difference in the rpm of the two disks, which corresponds to relative slip. The relative slip is varied from a negative to a positive value. The first step in data preprocessing is to compute the effective data origin. This is done by simply integrating torque with respect to the slip velocity. Since the magnitude of slip velocity at the first and last data point are closely identical, and the directions of slip at these two extreme points are opposite to each other, the integrated torque value may be used to compute a mean value, which by symmetry corresponds to a torque value at zero slip. This value is, therefore, subtracted from the torque data to compute the effective data origin. With the given normal load, and appropriate scale factors, the torque data may now be converted to traction coefficient versus slide-to-roll plots. Since the traction coefficient should not depend on the direction of slip, the traction curve may be folded over about the zero point. These two folded curves may now be used to compute a mean traction coefficient at a given slide-to-roll value. Also, the data may now be sampled to select a set of points which may be subsequently used in traction modeling.

Data Selection for Traction Modeling

Although the experimental data are obtained over a broad variation of rolling velocity, it may not be possible to analytically model traction when the lubricant film thickness is less than a certain critical value, which is generally taken as three times the composite rms roughness of the two disks. Using such a criterion, the data at very low film thickness is excluded from traction modeling work.

Traction Modeling Procedure

The approach for traction modeling is based on the work by Gupta [7], which is actually after the earlier work by Kannel and Walowit [8]. This model is essentially based on Newtonian behavior of the fluid in the contact zone, where the pressures are significantly higher than those at which the lubricant viscosity data, discussed above, is available. Thus another, some what simplified, viscosity relation is assumed to define lubricant traction:

$$\mu = \tilde{\mu}_o \exp \left\{ \tilde{\alpha} p + \tilde{\beta} \left(T_o - T \right) \right\}$$

where $\tilde{\mu}_c$, $\tilde{\alpha}$, and $\tilde{\beta}$ are the effective coefficients which define the viscosity behavior in the high pressure contact zone.

With the above assumption of lubricant behavior, traction modeling consists of two steps: first the lubricant behavior under ambient pressure is used to compute the lubricant film thickness, and then the energy equation is solved through the film to compute the shear stress distribution, using the above "effective" viscosity relation. The shear stress is, of course, expressed in terms of the three unknown coefficients. The computed shear stress is then integrated to compute the total traction force and thus a traction coefficients is computed in terms of the three coefficients in the viscosity relation. A least squared regression analysis of the available experimental traction data is now performed to compute the three coefficients, for best fit of the model to the experimental data. Analytical details of the model are omitted here, since a complete formulation has been published in earlier work [7].

As shown earlier [7,8], the above simplified model results in an almost closed form solution, once the three constitutive constants, $\tilde{\mu}_o$, $\tilde{\alpha}$, and $\tilde{\beta}$ are known. In addition the lubricant properties vary as a function of pressure and temperature throughout the contact. Such a property variation results in an acceptable simulation of all thermal effects. Such properties of this model make it computationally very efficient, and model implementation in practical design tools, such as rolling bearing dynamics analysis [9], becomes quite straight forward.

An alternate approach to model traction behavior is based on visco-elastic effects [4-6, 10]. Here, the pertinent lubricant properties, in addition to viscosity, include shear modulus and critical shear stress beyond which the viscous effect becomes significant. Again the properties may vary with pressure and temperature. However, the model is computationally more complex and generally requires integration of a differential equation through the lubricant film, and therefore, model implementation to practical design tools is somewhat more difficult. In view of such limitations in practical use of the model, the current effort is restricted to simplified Newtonian models where the lubricant behavior is completely prescribed in terms of viscosity-pressure-temperature relations, as discussed above.

Results

Figure 2 shows typical correlations of the experimental data for lubricant A (MIL-L-7808) to the traction model predictions. The closeness of this fit is not surprising since most of the past traction model development [1-7] effort has centered around this lubricant. Model coefficients over the range of operating conditions considered are summarized in table 3.

Model fit to lubricant B: Mobil 28 base oil, is also fairly good as seen in figure 3. The estimated coefficients for this lubricant are summarized in table 4. Typical correlations for the gear oil, lubricant C, are shown in figure 4 while the coefficients are tabulated in table 5. Although the fit in this case is not as good as that for lubricant A and B, it is quite acceptable.

Data correlation to the model for lubricant D and E are somewhat marginal, as shown in figures 5a and 5b. While the fit is reasonable at high contact pressures, the discrepancy increases with

decreasing contact pressures. Perhaps introduction of pressure-temperature coefficient in the effective viscosity relation may provide some improvement. The difference in traction between the new and used lubricant is rather negligible; the small difference seen by comparing figures 5a and 5b may very well be attributed to the small difference in contact pressures in the two cases. Model coefficients, as computed by regression analysis, are summarized in tables 6 and 7 for these lubricants.

For the common PAO base fluids, lubricant F, used extensively for aerospace applications, the model fit is very good, as seen in figure 6. Behavior of lubricant G is expected to be very similar to that of lubricant F. Thus the coefficients summarized in table 8 may be used for both lubricants F and G.

Test cases H and I correspond to the same lubricant, VacKote. The only difference in the these two cases is the contact ellipticity ratio, which is 4.68 and 6.62. Model fit to the experimental data is quite acceptable as shown in figures 7a and 7b. The small difference in traction in these two cases may be attributed to the small difference in contact pressures, which would indicate that traction may remain unchanged as a function of contact ellipticity if the contact pressure is maintained constant. Model coefficients for these two cases, as obtained by the regression analysis, are summarized in tables 9 and 10.

Cases J and K correspond to contact ellipticity ratios of 4.461 and 1.055 respectively for the Hatcol 3110 lubricant. The model fit is quite reasonable at low pressures, as shown in figure 8b but under low pressure conditions the deviation is quite large, as seen in figure 8a. Also, note that the change in effective pressure-viscosity coefficient, as determined by the regression analysis, in the two pressure ranges. Detailed results of the regression analysis are documented in tables 11 and 12 for the two test conditions. It is interesting to compare the lowest load data in figure 8a to that at the highest load in figure 8b. These two sets of data are at the same contact pressure but the ellipticity ratios are greatly different; the higher ellipticity ratio results is a somewhat higher traction. The effect may be contributed to significant side leakage in case of a circular contact corresponding to an ellipticity ratio of one.

Conclusions

Experimentally measured traction behavior of several fluids and lubricants for aerospace application seems to fit reasonably well with a simplified traction model based on a Newtonian viscosity-pressure-temperature relation. The effective coefficients of the model are derived by a regression analysis of the experimental data. Comparison of the experimental data to model predictions shown acceptable correlations. Thus the estimated model coefficients may be used to predict traction in practical applications with acceptable confidence.

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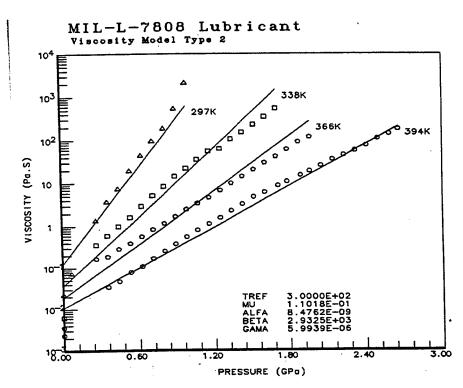


Figure 1.

Typical viscosity-pressure-temperature data.

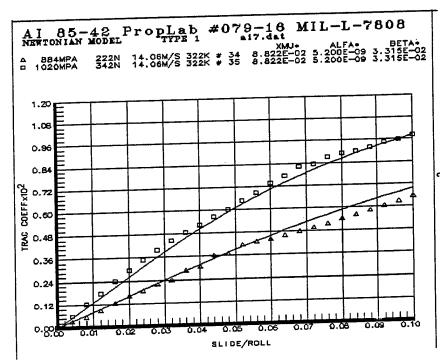


Figure 2.

Typical traction data correlation for the MIL-L-7808 lubricant.

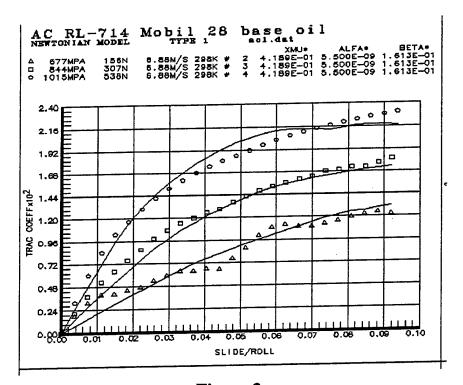


Figure 3.

Typical traction data correlations of the Mobil 28 base oil.

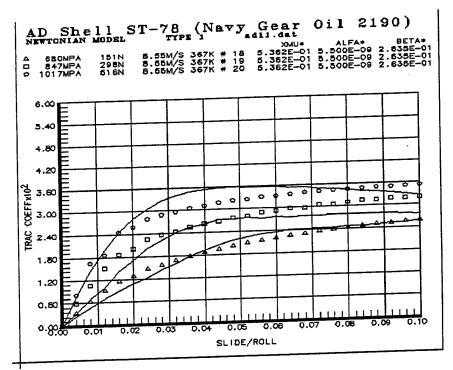


Figure 4.

Traction data correlations for the Shell ST-78 gear oil.

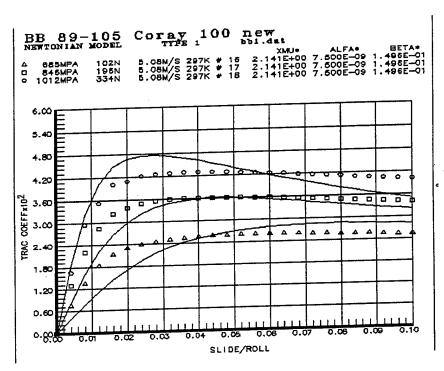


Figure 5a.

Typical traction behavior of the Coray 100 lubricant.

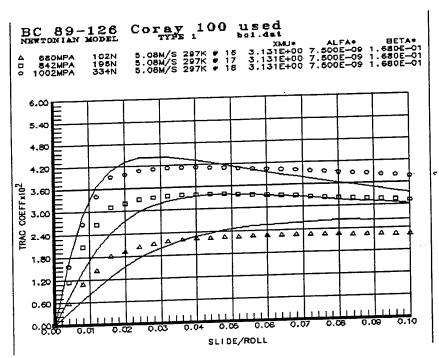


Figure 5b.

Typical traction data correlations for the Coray 100 used oil.

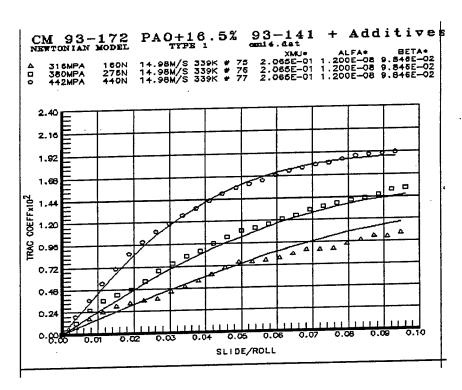


Figure 6.

Traction data correlation for the PAO lubricant with additives.

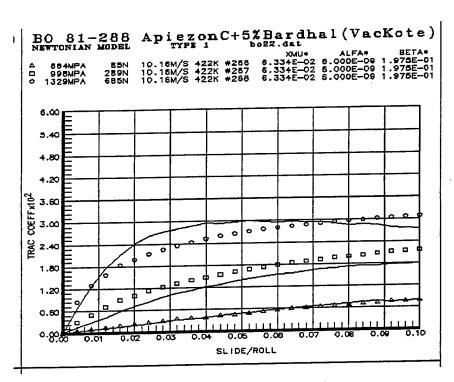


Figure 7a.

Typical behavior of VacKote lubricant under contact ellipticity ratio of 4.686

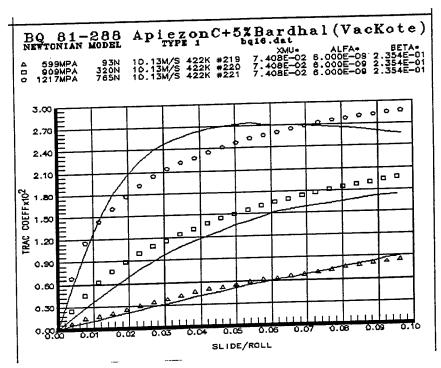


Figure 7b.

Behavior of VacKote lubricant under contact ellipticity ratio of 6.620.

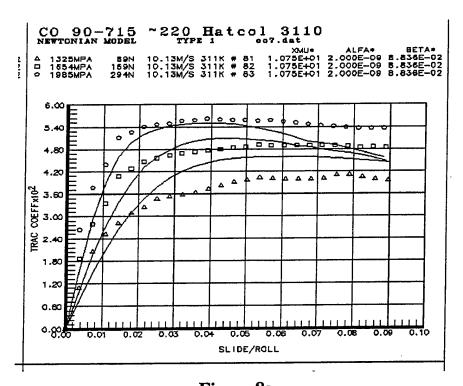


Figure 8a.

Typical traction behavior of Hatcol 3110 with contact ellipticity ratio of 1.055.

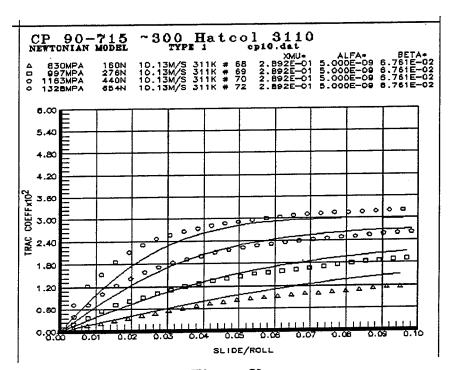


Figure 8b.

Typical traction behavior of Hatcol 3110 with contact ellipticity ratio of 4.641.

Table 1: Test Lubricants and Disk Specimen Geometry

		Similar Commercial Product	Disk Geometry			
Test Case Test Codes	Test Codes		Rolling Radius	Crown Radius (mm)		Contact Ellipticity
			(mm)	Disk 1	Disk 2	Ratio
A	AI 85-42	MIL-L-7808	19.050	248.67	248.67	5.267
В	AC RL-714	Mobil 28 Base Oil	13.653	891.54	1115.06	15.061
С	AD ST-78	Shell ST-78 Gear Oil	13.653	922.02	939.80	14.514
D	BB 89-105	Coray 100 New Lubricant	19.050	266.70	205.74	5.097
E	BC 89-105	Coray 100 Used Lubricant	19.050	241.300	251.46	5.286
F	CM 93-172	PAO + 16.5% 93-141 + Additives	18.415	no crown	no crown	infinite
G	AJ 84-473	PAO + 5% Bardahl	13.653	972.06	957.58	14.825
Н	BO 81-288	ApiezonC + 5%Bardahl (VacKote)	19.050	203.20	203.20	4.686
I	BQ 81-288	ApiezonC + 5%Bardahl (VacKote)	19.050	381.00	330.20	6.620
J	CO 90-715	Hatcol 3110	18.987	17.780	17.272	4.461
K	CP 90-715	Hatcol 3110	18.733	228.60	172.72	1.055
L	BP 91-119	Pennzane	19.050	381.00	330.20	6.620
М	CC 89-180	VistaLube 7	19.050	25.400	27.940	1.249

Table 2: Viscosity-Pressure-Temperature Relations Reference Temperature $T_{\rm o}$ = 300 $^{\rm o}$ K

Test Case	μ _o (Pa.S)	α (1/GPa)	β (K) x10 ⁻³	γ (K/MPa)	Thermal Conductivity (N/S/K)
A: MIL-L-7808	0.1102	8.4762	2932	5.9939	0.0966
B: Mobil 28 Base Oil	0.0395	13.14	3428		0.132
C: Shell ST-78 Gear Oil	0.135	15.95	4598		0.132
D: Coray 100 New Oil	0.161	10.36	4880		0.1385
E: Coray 100 Used Oil	0.161	10.36	4880		0.1385
F: PAO + 16.5% 93-141 + Additives	0.214	29.0	4828		0.172
G: PAO + 5% Bardahl	0.214	29.0	4828		0.172
H: ApiezonC + 5% Bardahl (VacKote)	0.16232	20.217	3799	12.428	0.138
I: ApiezonC + 5% Bardahl (VacKote)	0.16232	20.217	3799	12.428	0.138
J: Hatcol 3110	0.03449	9.3260	2825	3.9378	0.120
K: Hatcol 3110	0.03449	9.3260	2825	3.9378	0.120
L: Pennzane					
M: VistaLube 7					

Table 3: Traction Parameters for Lubricant A: MIL-L-7808 $\tilde{\alpha} = 5.20 \ (1/GPa)$

T_o (K)	U (M/S)	$\tilde{\mu_o}$ (Pa.S)	β (1/K)
299	5.23	0.565	0.0677
	9.73	0.363	0.0441
	14.1	0.243	0.0422
	21.1	0.152	0.0402
322	5.23	0.181	0.0620
	9.73	0.129	0.0442
	14.1	0.0882	0.0331
	21.1	0.0647	0.0301
344	5.23	0.0770	0.0415
	9.73	0.0555	0.0436
	14.1	0.0433	0.0293
	21.1	0.0402	0.0367
367	5.23	0.0500	0.197
	9.73	0.0265	0.0332
	14.1	0.0213	0.0353
	21.1	0.0215	0.0532
389	5.23	0.0481	0.416
	9.73	0.0156	0.0592
	14.1	0.0113	0.0165
	21.1	0.0132	0.0736

Table 4: Traction Parameters for Lubricant B: Mobil 28 Base Oil $\tilde{\alpha} \ = \ 5.50 \ (1/GPa)$

T_o (K)	U (M/S)	$\tilde{\mu_o}$ (Pa.S)	β̃ (1/K)
298	6.88	0.419	0.161
	8.53	0.385	0.128
	10.3	0.368	0.117
313	6.88	0.323	0.205
	8.53	0.283	0.159
	10.3	0.261	0.134
328	6.88	0.174	0.306
	8.53	0.147	0.211
	10.3	0.130	0.172
366	10.3	0.0586	0.371

Table 5: Traction Parameters for Lubricant C: Shell ST-78 Gear Oil = $\tilde{\alpha}$ = 5.50 (1/GPa)

<i>T_o</i> (K)	U (M/S)	$\tilde{\mu_o}$ (Pa.S)	ρ̃ (1/K)
298	6.89	6.067	0.0896
	8.55	4.657	0.0771
	10.3	3.753	0.0684
313	6.89	4.714	0.124
	8.55	3.770	0.103
	10.3	3.015	0.0885
328	6.89	3.454	0.162
	8.55	2.509	0.126
	10.3	2.227	0.111
367	8.55	0.536	0.263
	10.3	0.582	0.213

Table 6: Traction Parameters for Lubricant D: Coray 100 New Lubricant $\tilde{\alpha}=7.50~(1/GPa)$

T_o (K)	U (M/S)	$\tilde{\mu_o}$ (Pa.S)	ρ̃ (1/K)
297	5.08	2.141	0.149
	7.62	2.009	0.118
	10.2	1.057	0.0922
311	5.08	2.742	0.224
	7.62	1.720	0.150
	10.2	1.211	0.116
322	5.08	2.277	0.283
	7.62	0.925	0.180
	10.2	0.782	0.139
356	5.08	0.402	0.632
	7.62	0.369	0.352
	10.2	0.287	0.237

Table 7: Traction Parameters for Lubricant E: Coray 100 Used Oil $\tilde{\alpha} \ = \ 7.50 \ (1/GPa)$

T_o (K)	U (M/S)	$\tilde{\mu_o}$ (Pa.S)	β (1/K)
297	5.08	3.131	0.168
	7.62	1.840	0.124
	10.1	0.861	0.0966
311	5.08	2.611	0.239
	7.62	0.956	0.153
	10.1	0.694	0.116
322	5.08	2.654	0.324
	7.62	1.260	0.199
	10.1	0.888	0.150

Table 8: Traction Parameters for Lubricant F: PAO + 16.5% 93-141 + Additives $\tilde{\alpha} \ = \ 12.0 \ (1/GPa)$

T_o (K)	U (M/S)	$\tilde{\mu_o}$ (Pa.S)	ỗ (1/K)
300	2.47	2.281	0.246
	5.02	1.978	0.127
	9.96	1.373	0.0835
	15.0	1.044	0.0672
	20.0	1.069	0.0733
311	2.47	1.546	0.338
	5.02	1.240	0.159
	9.96	0.835	0.0903
	15.0	0.715	0.0756
	20.0	0.822	0.0863
339	5.02	0.329	0.295
	9.96	0.213	0.124
	15.0	0.206	0.0985
	20.0	0.303	0.133
367	5.02	0.0765	0.306
	9.96	0.0595	0.172
	15.0	0.0599	0.137
	20.0	0.0845	0.174
394	15.0	0.0198	0.165
	20.0	0.032	0.234

Table 9: Traction Parameters for Lubricant H: Apiezon C + 5% Bardahl (VacKote) $\tilde{\alpha}=6.00~(1/GPa)$ Contact Ellipticity = 4.686

T_o (K)	U (M/S)	$\tilde{\mu_o}$ (Pa.S)	β (1/K)
300	5.08	4.126	0.0896
	10.2	1.696	0.0431
	15.2	1.452	0.0348
	20.3	1.782	0.0381
311	5.08	3.348	0.113
	10.2	2.087	0.0513
	15.2	1.790	0.0472
	20.3	1.346	0.0368
339	5.08	1.326	0.165
	10.2	0.873	0.0673
	15.2	0.743	0.0490
	20.3	0.826	0.0431
367	5.08	0.508	0.260
	10.2	0.364	0.0985
	15.2	0.372	0.0684
	20.3	0.452	0.0612
394	5.08	0.206	0.316
	10.2	0.181	0.153
	15.2	0.190	0.0875
	20.3	0.345	0.0947
422	5.08	0.0898	0.495
	10.2	0.0633	0.197
	15.2	0.0653	0.124
	20.3	0.0899	0.102

Table 10: Traction Parameters for Lubricant I: Apiezon C + 5% Bardahl (VacKote) $\tilde{\alpha}=6.00~(1/\text{GPa})~\text{Contact Ellipticity}=6.620$

T_o (K)	U (M/S)	$\tilde{\mu_o}$ (Pa.S)	ρ̃ (1/K)
300	10.1	2.233	0.0459
	15.2	1.345	0.0394
	20.3	1.676	0.0424
311	10.1	1.831	0.0513
	15.2	1.532	0.0425
	20.3	1.608	0.0478
339	10.1	1.169	0.0717
	15.2	0.992	0.0584
	20.3	1.216	0.0564
367	10.1	0.540	0.113
	15.2	0.487	0.0712
	20.3	0.631	0.0724
394	10.1	0.207	0.155
	15.2	0.200	0.106
	20.3	0.304	0.104
422	10.1	0.0741	0.235
	15.2	0.0810	0.155

Table 11: Traction Parameters for Lubricant J: Hatcol 3110 $\tilde{\alpha}=2.00~(1/GPa)~$ Contact Ellipticity = 1.055

T_o (K)	U (M/S)	$\tilde{\mu_o}$ (Pa.S)	ρ̃ (1/K)
300	2.51	30.50	0.371
	5.10	35.33	0.263
	10.1	14.17	0.0710
	15.2	14.03	0.0558
	20.3	18.95	0.0500
311	10.1	10.75	0.0884
	15.2	9.808	0.0564
	20.3	13.67	0.0524
339	15.2	4.550	0.0770
	20.3	7.872	0.0702
367	15.2	3.746	0.214
	20.3	3.509	0.0870
394	15.2	1.173	0.134
422	15.2	0.898	0.227
	20.3	1.206	0.186

Table 12: Traction Parameters for Lubricant K: Hatcol 3110 $\tilde{\alpha}=5.00~(1/\text{GPa})~\text{Contact Ellipticity}=4.641$

T_o (K)	U (M/S)	μ̃ (Pa.S)	β̃ (1/K)
300	2.51	0.920	0.435
	5.11	0.675	0.137
	10.1	0.453	0.0661
	15.2	0.447	0.0562
	20.3	0.592	0.0667
311	2.51	0.588	0.519
	5.11	0.451	0.144
	10.1	0.289	0.0676
	15.2	0.322	0.0701
	20.3	0.418	0.0734
339	5.11	0.113	0.169
	10.1	0.0910	0.0944
	15.2	0.0921	0.0765
	20.3	0.141	0.103
367	5.11	0.0462	0.0330
	10.1	0.0340	0.129
	15.2	0.0350	0.0999
	20.3	0.0577	0.168
394	10.1	0.0120	0.241
	15.2	0.0145	0.202
	20.3	0.0162	0.172
422	10.1	0.00563	0.234
	15.2	0.00541	0.298
	20.3	0.00575	0.188

2. Traction Data Set A: 85-42 MIL-L-7808

Data set name:

Rolling radii [Disks 1 & 2] (in):
Crown radii [Disks 1 & 2] (in):

AI 85-42 PropLab #079-16 MIL-L-7808
0.75 0.75
9.79 9.49

Number of data sets found = 100

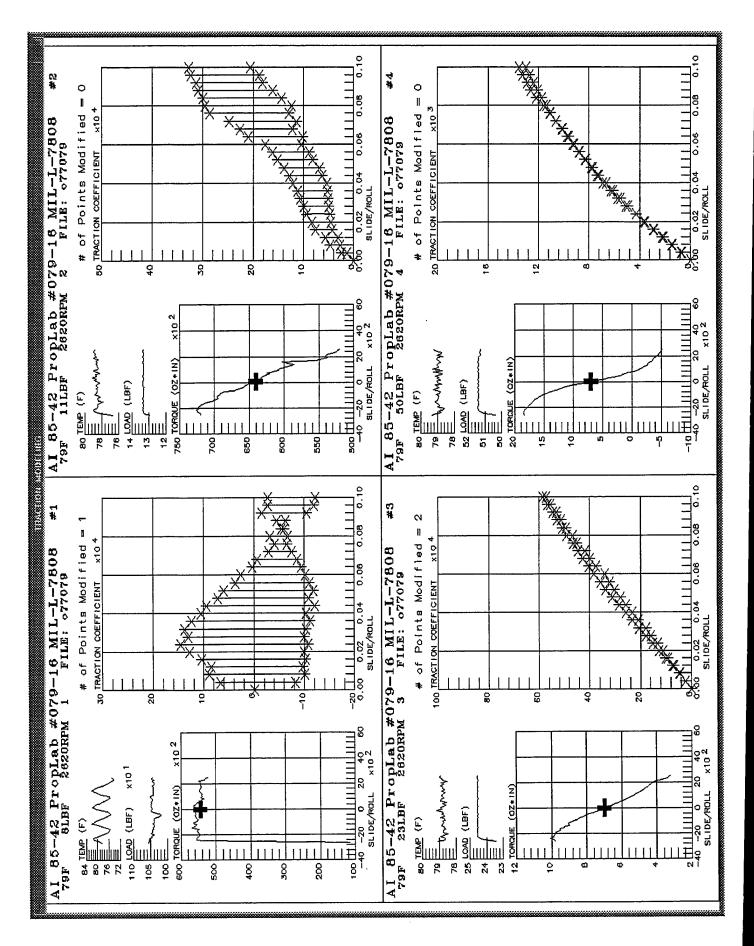
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1 2	79.00	11.29	2284.00	2956.00	2620.00	49	o77079 #2
3	79.00	22.65	2284.00	2956.00	2620.00	49	o77079 #3
4	79.00	49.63	2284.00	2956.00	2620.00	49	o77079 #4
5	79.00	77.32	2284.00	2956.00	2620.00	49	o77079 #5
6	79.00	8.45	4256.00	5504.00	4880.00	49	o77079 #6
7	79.00	11.29	4256.00	5504.00	4880.00	49	o77079 #7
8	79.00	22.65	4256.00	5504.00	4880.00	49	o77079 #8
9	79.00	49.63	4256.00	5504.00	4880.00	49	o77079 #9
10	79.00	77.32	4256.00	5504.00	4880.00	49	o77079 #10
11	79.00	8.45	6162.00	7938.00	7050.00	49	077079 #11
12	79.00	11.29	6162.00	7938.00	7050.00	49	o77079 #12
13	79.00	22.65	6162.00	7938.00	7050.00	49	077079 #13
14	79.00	49.63	6162.00	7938.00	7050.00	49	o77079 #14
15	79.00	77.32	6162.00	7938.00	7050.00	49	677079 #15
16	79.00	8.45	9280.00	11920.00	10600.00	49	077079 #16
17	79.00	11.29	9280.00	11920.00	10600.00	49	o77079 #17
18	79.00	22.65	9280.00	11920.00	10600.00	49	o77079 #18
	79.00	49.63	9280.00	11920.00	10600.00	49	o77079 #19
19 20	79.00	77.32	9280.00	11920.00	10600.00	49	o77079 #20
21	120.00	8.45	2284.00	2956.00	2620.00	49	o77120 #1
22	120.00	11.29	2284.00	2956.00	2620.00	49	o77120 #2
23	120.00	22.65	2284.00	2956.00	2620.00	49	o77120 #3
24	120.00	49.63	2284.00	2956.00	2620.00	49	o77120 #4
25	120.00	77.32	2284.00	2956.00	2620.00	49	o77120 #5
26	120.00	8.45	4256.00	5504.00	4880.00	49	o77120 #6
27	120.00	11.29	4256.00	5504.00	4880.00	49	o77120 #7
28	120.00	22.65	4256.00	5504.00	4880.00	49	o77120 #8 o77120 #9
29	120.00	49.63	4256.00	5504.00	4880.00	49	o77120 #10
30	120.00	77.32	4256.00	5504.00	4880.00	49 49	o77120 #11
31	120.00	8.45	6162.00	7938.00	7050.00	49 49	o77120 #12
32	120.00	11.29	6162.00	7938.00	7050.00	49 49	o77120 #13
33	120.00	22.65	6162.00	7938.00	7050.00	49	o77120 #14
34	120.00	49.63	6162.00	7938.00	7050.00	49	o77120 #15
35	120.00	77.32	6162.00	7938.00	7050.00	49	077120 #16
36	120.00	8.45	9280.00	11920.00	10600.00	49	o77120 #17
37	120.00	11.29	9280.00	11920.00	10600.00	49	o77120 #18
38	120.00	22.65	9280.00	11920.00	10600.00	49	o77120 #19
39	120.00	49.63	9280.00	11920.00	10600.00	49	o77120 #20
40	120.00	77.32	9280.00	11920.00	10600.00 2620.00	49	o77159 #1
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42	159.00	11.29	2284.00	2956.00	2620.00	49	o77159 #3
43	159.00	22.65	2284.00	2956.00	2620.00	49	o77159 #4
44	159.00	49.63	2284.00	2956.00	2620.00	49	o77159 #5
45	159.00	77.32	2284.00	2956.00 5504.00	4880.00	49	o77159 #6
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48	159.00	22.65	4256.00	5504.00	4880.00	: -	o77159 #9
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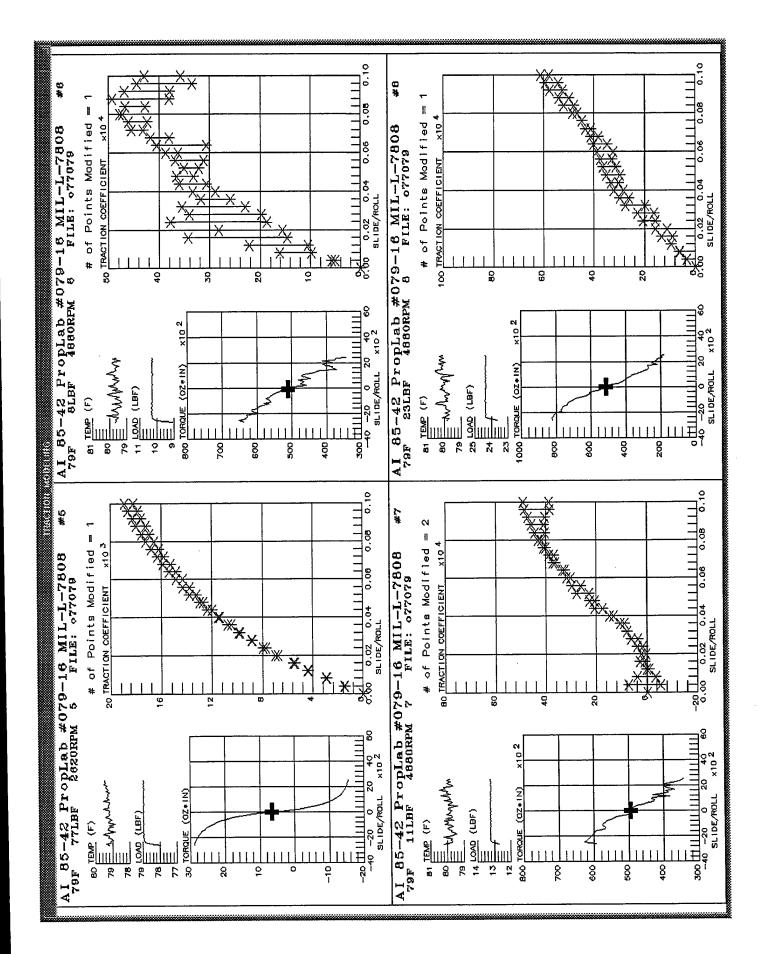
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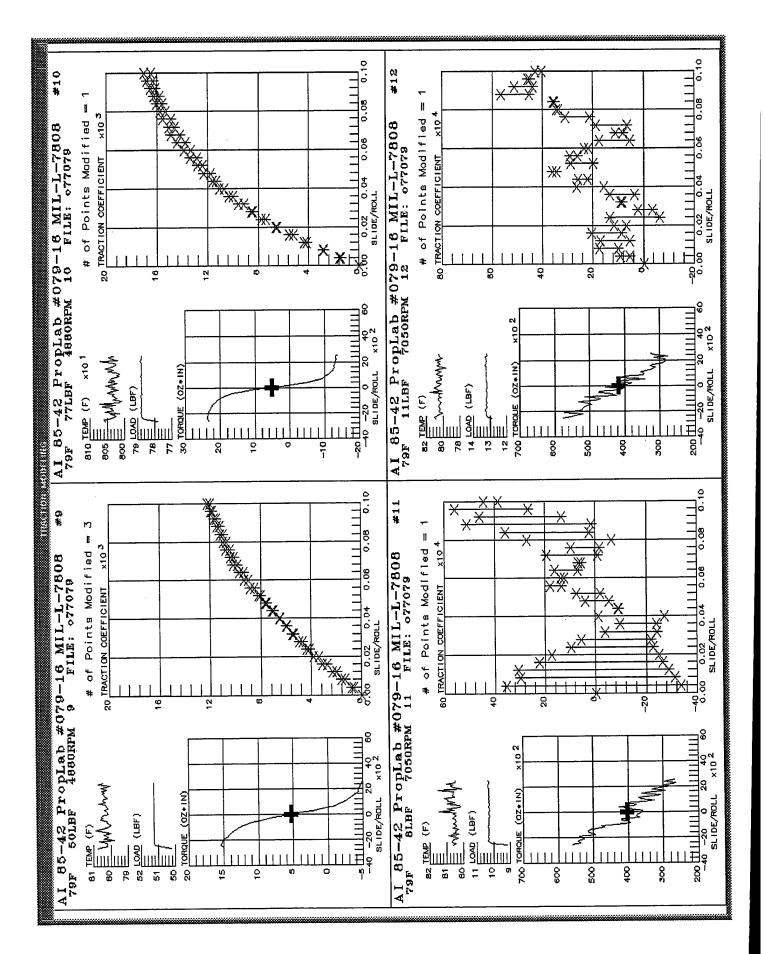
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53	159.00	22.65	6162.00	7938.00	7050.00	49	o77159 #13
54	159.00	49.63	6162.00	7938.00	7050.00	49	o77159 #14
55	159.00	77.32	6162.00	7938.00	7050.00	49	o77159 #15
56	159.00	8.45	9280.00	11920.00	10600.00	49	o77159 #16
57	159.00	11.29	9280.00	11920.00	10600.00	49	o77159 #17
58	159.00	22.65	9280.00	11920.00	10600.00	49	o77159 #18
59	159.00	49.63	9280.00	11920.00	10600.00	49	o77159 #19
60	159.00	77.32	9280.00	11920.00	10600.00	49	o77159 #20
61	200.00	8.45	2284.00	2956.00	2620.00	49	o77200 #1
62	200.00	11.29	2284.00	2956.00	2620.00	49	o77200 #2
63	200.00	22.65	2284.00	2956.00	2620.00	49	o77200 #3
64	200.00	49.63	2284.00	2956.00	2620.00	49	o77200 #4
65	200.00	77.32	2284.00	2956.00	2620.00	49	o77200 #5
66	200.00	8.45	4256.00	5504.00	4880.00	49	o77200 #6
67	200.00	11.29	4256.00	5504.00	4880.00	49	o77200 #7
68	200.00	22.65	4256.00	5504.00	4880.00	49	o77200 #8
69	200.00	49.63	4256.00	5504.00	4880.00	49	o77200 #9
70	200.00	77.32	4256.00	5504.00	4880.00	49	o77200 #10
71	200.00	8.45	6162.00	7938.00	7050.00	49	o77200 #11
72	200.00	11.29	6162.00	7938.00	7050.00	49	o77200 #12
73	200.00	22.65	6162.00	7938.00	7050.00	49	o77200 #13
74	200.00	49.63	6162.00	7938.00	7050.00	49	o77200 #14
75	200.00	77.32	6162.00	7938.00	7050.00	49	o77200 #15
76	200.00	8.45	9280.00	11920.00	10600.00	49	o77200 #16
77	200.00	11.29	9280.00	11920.00	10600.00	49	o77200 #17
78	200.00	22.65	9280.00	11920.00	10600.00	49	o77200 #18
79	200.00	49.63	9280.00	11920.00	10600.00	49	o77200 #19
80	200.00	77.32	9280.00	11920.00	10600.00	49	o77200 #20
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83	240.00	22.65	2284.00	2956.00	2620.00	49	o77240 #3
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85	240.00	77.32	2284.00	2956.00	2620.00	49	o77240 #5
86	240.00	8.45	4256.00	5504.00	4880.00	49	077240 #6
87	240.00	11.29	4256.00	5504.00	4880.00	49	077240 #7
88	240.00	22.65	4256.00	5504.00	4880.00	49	o77240 #8
89	240.00	49.63	4256.00	5504.00	4880.00	49	o77240 #9
90	240.00	77.32	4256.00	5504.00	4880.00	49 49	o77240 #10
91	240.00	8.45	6162.00	7938.00	7050.00		o77240 #11 o77240 #12
92	240.00	11.29	6162.00	7938.00	7050.00	49	
93	240.00	22.65	6162.00	7938.00	7050.00	49 49	o77240 #13 o77240 #14
94	240.00	49.63	6162.00	7938.00	7050.00	49	o77240 #14
95	240.00	77.32	6162.00	7938.00	7050.00 10600.00	49 49	o77240 #15
96	240.00	8.45	9280.00	11920.00	10600.00	49	o77240 #18
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98	240.00	22.65	9280.00	11920.00	10600.00	49	o77240 #19
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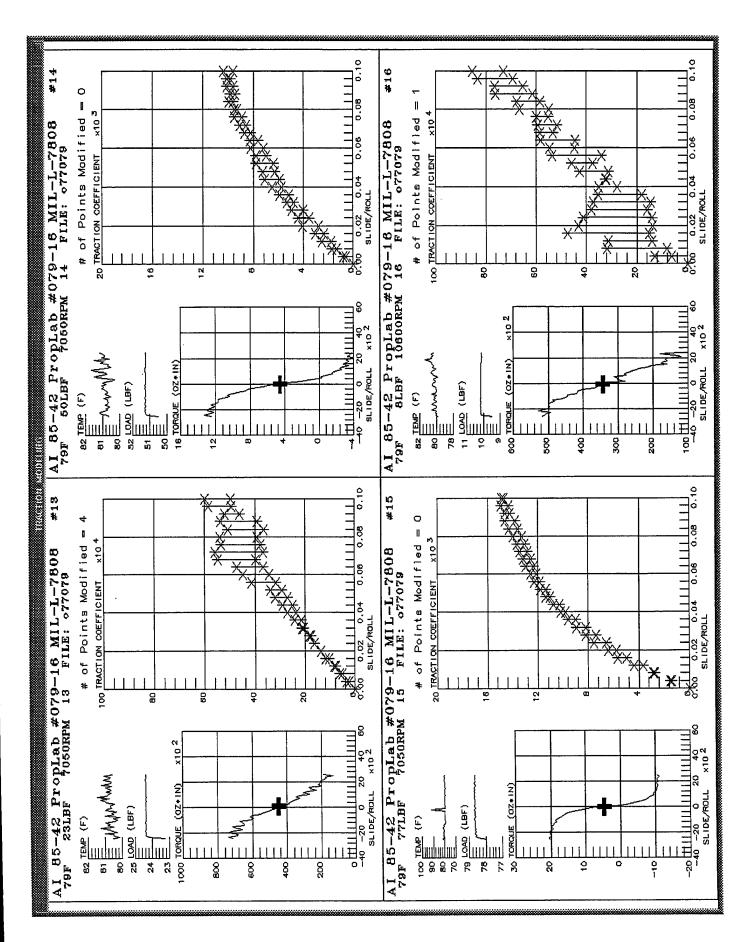
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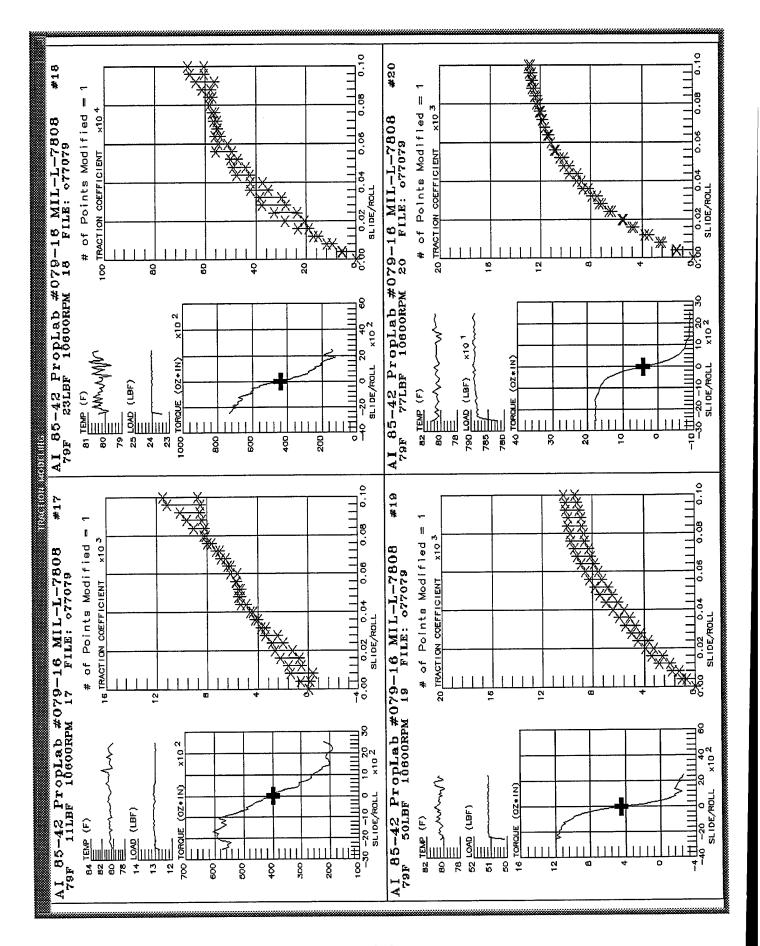
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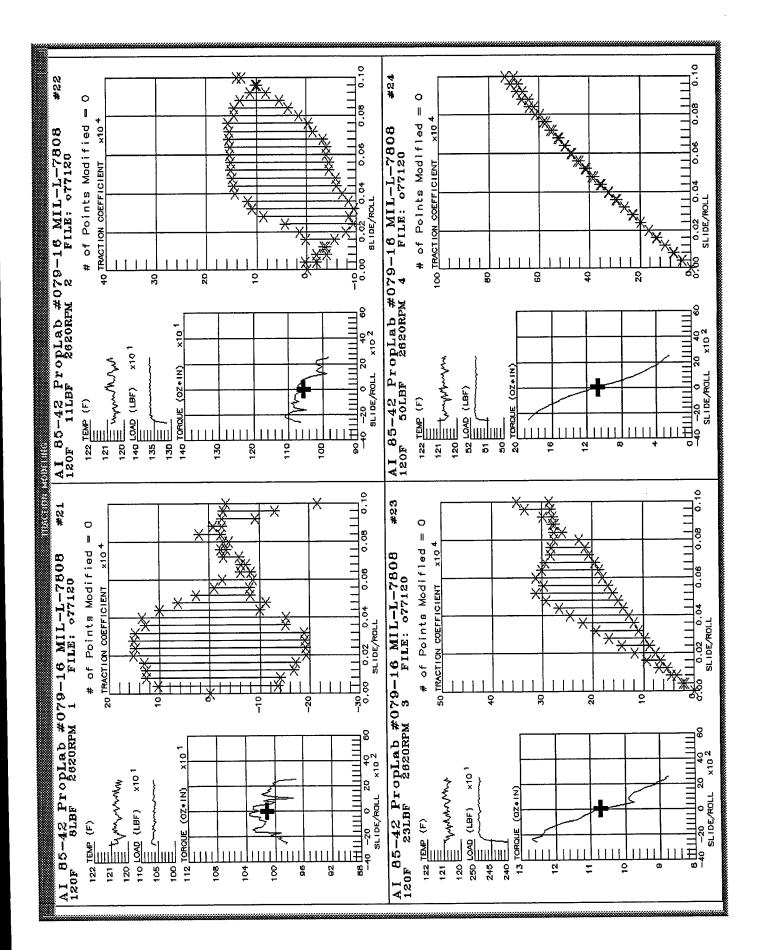


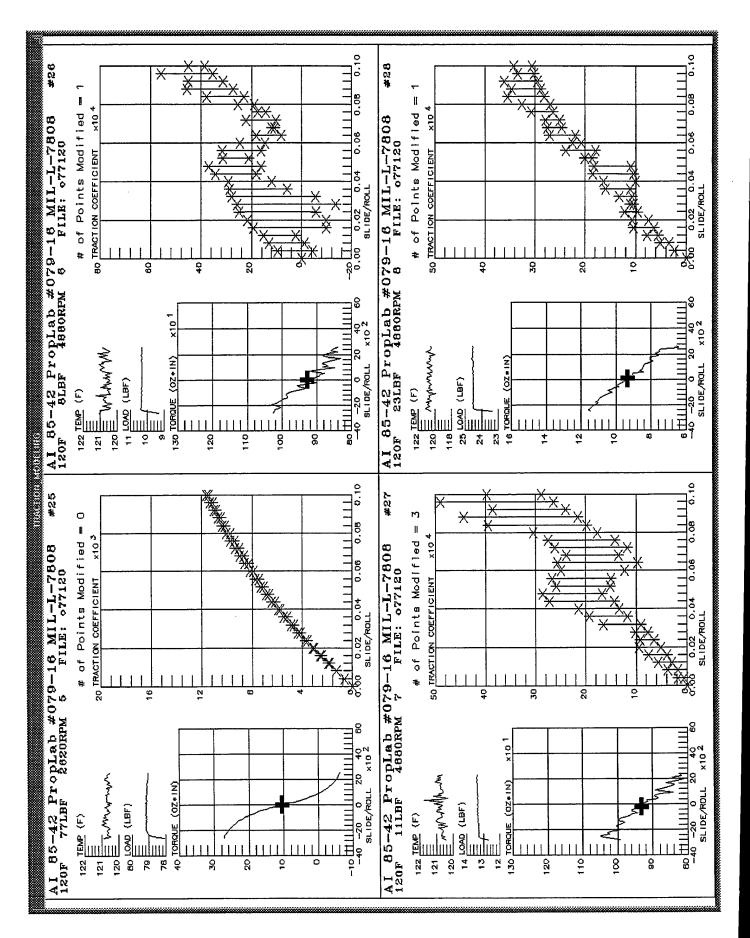


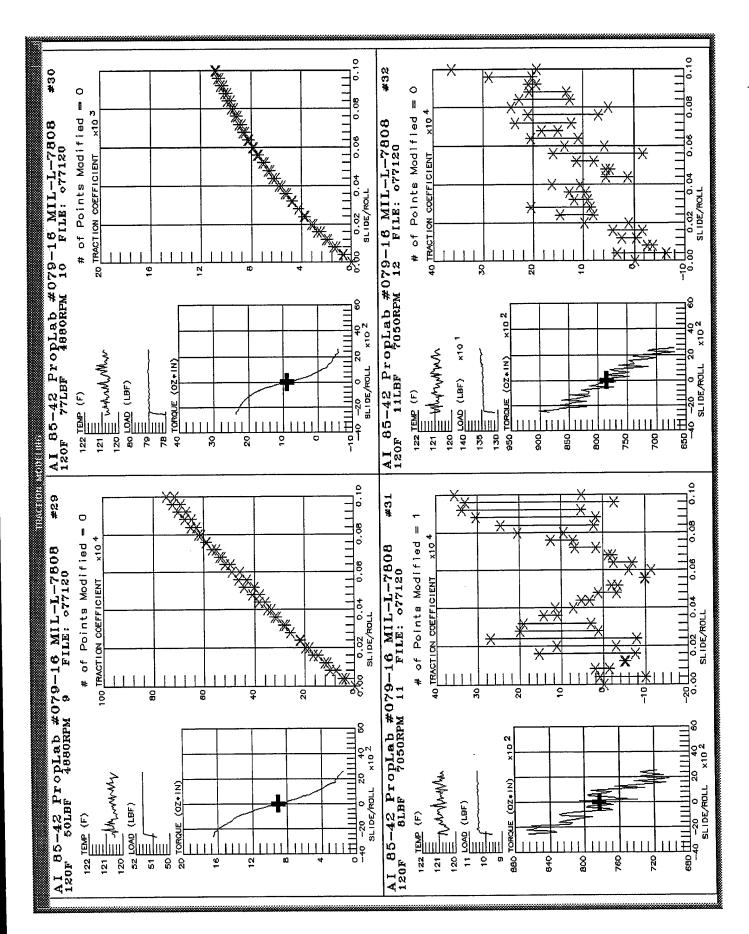


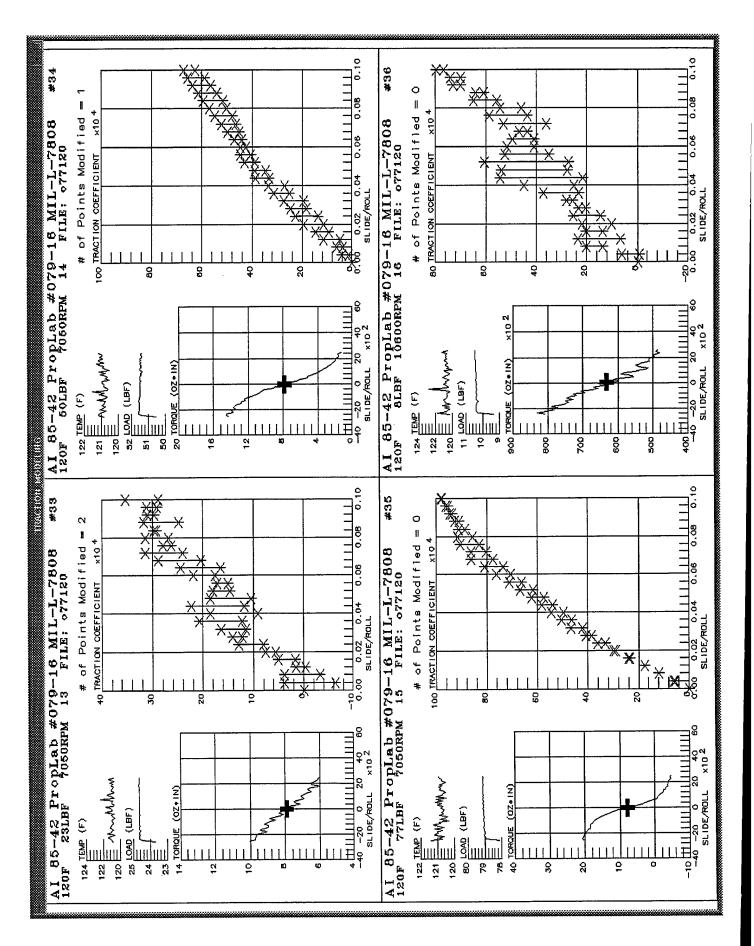


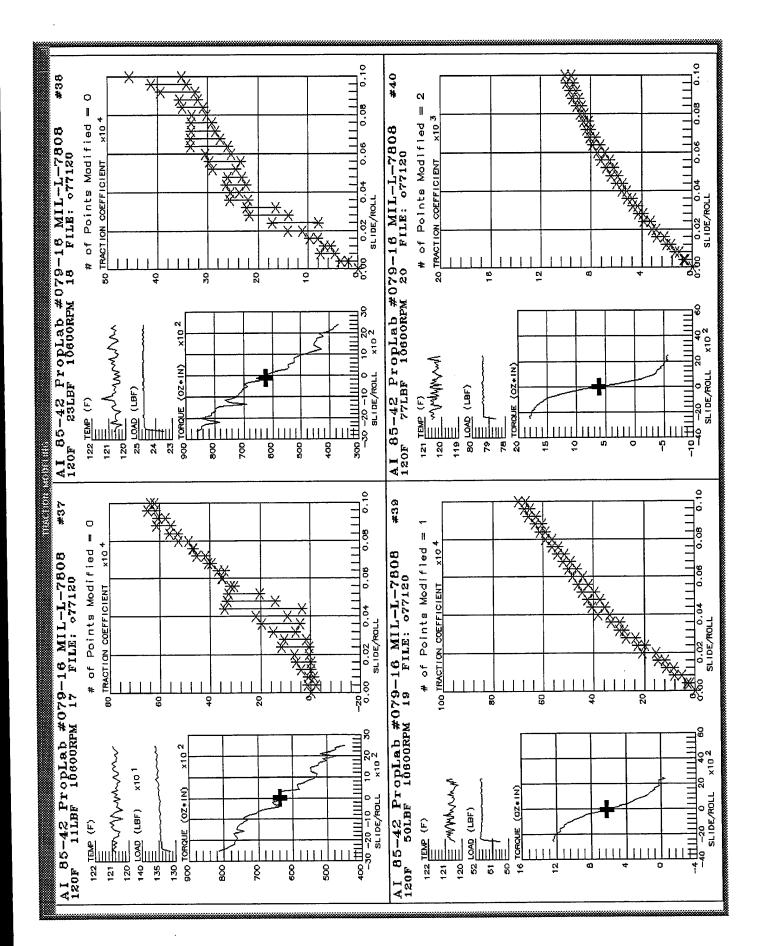


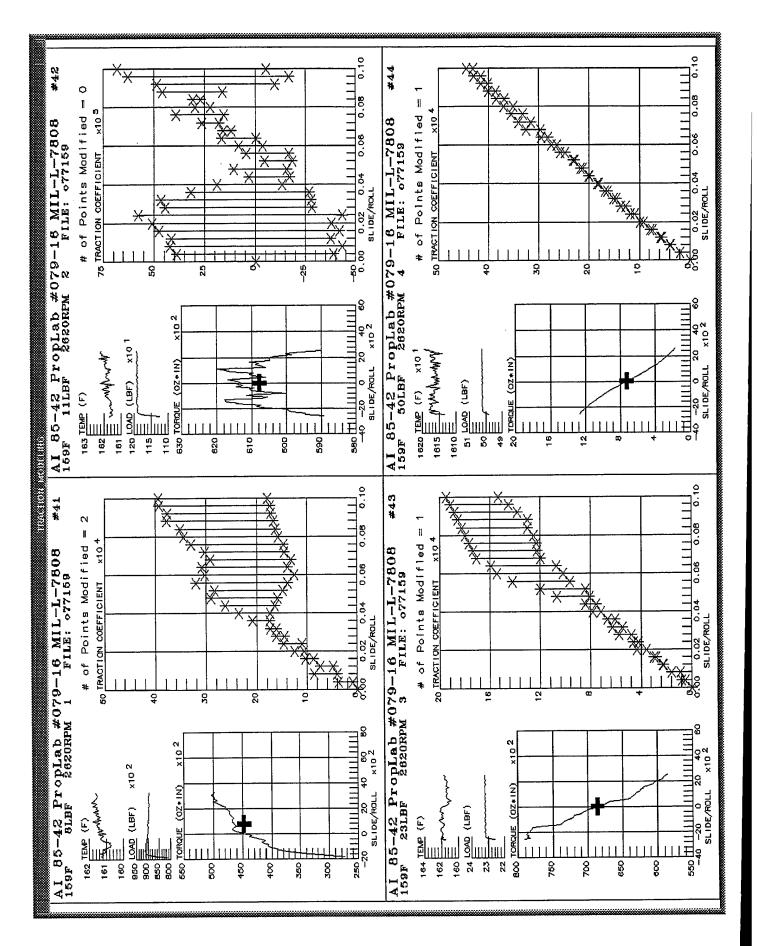


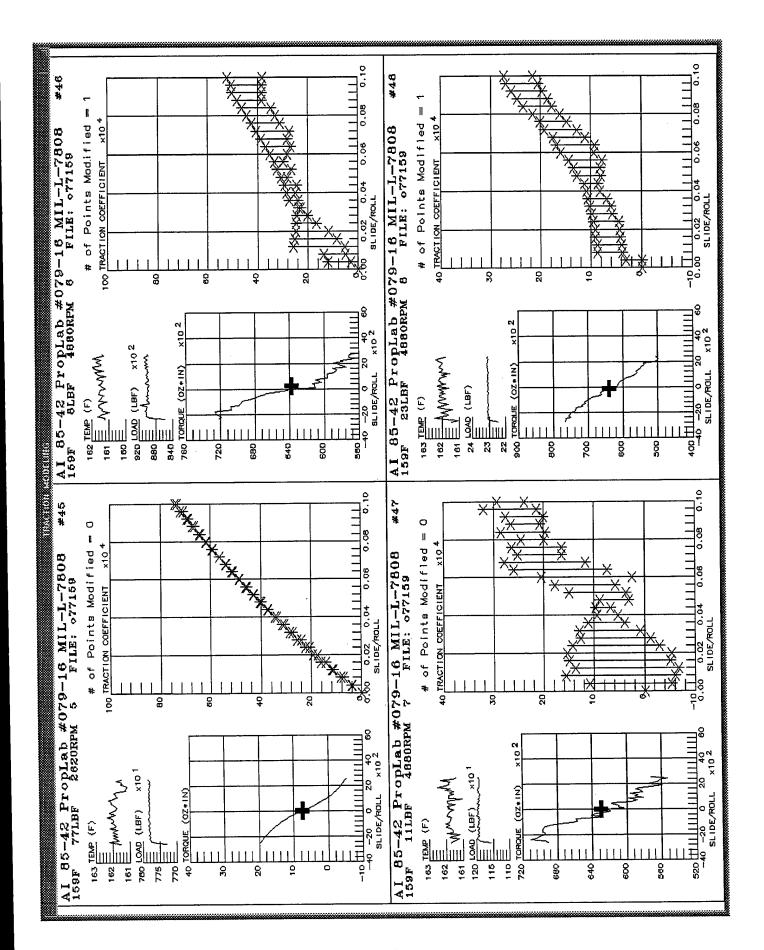


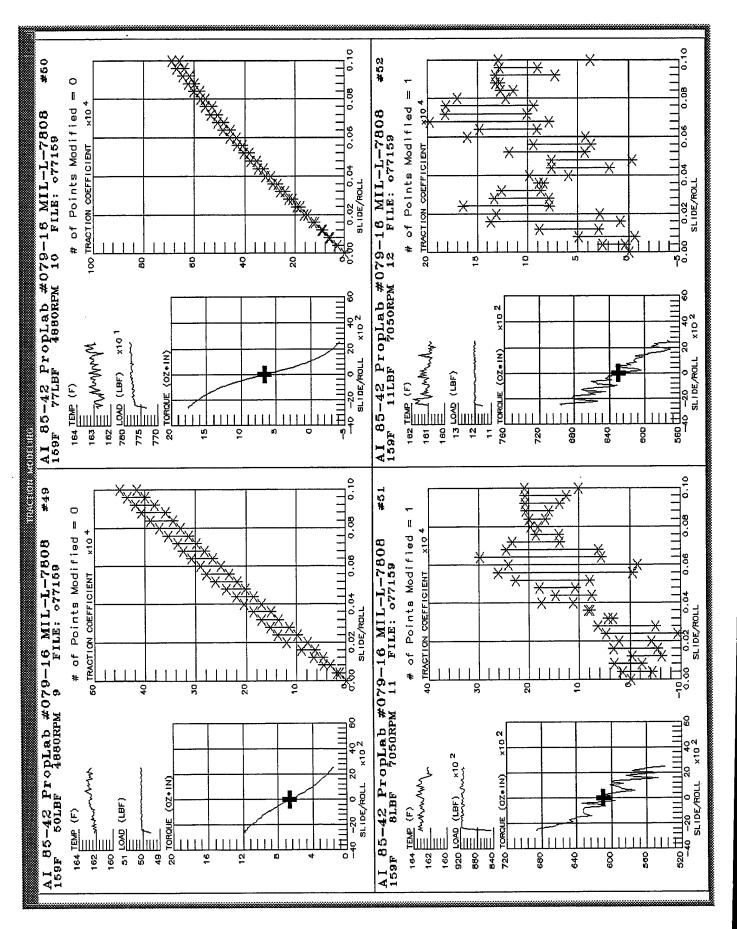


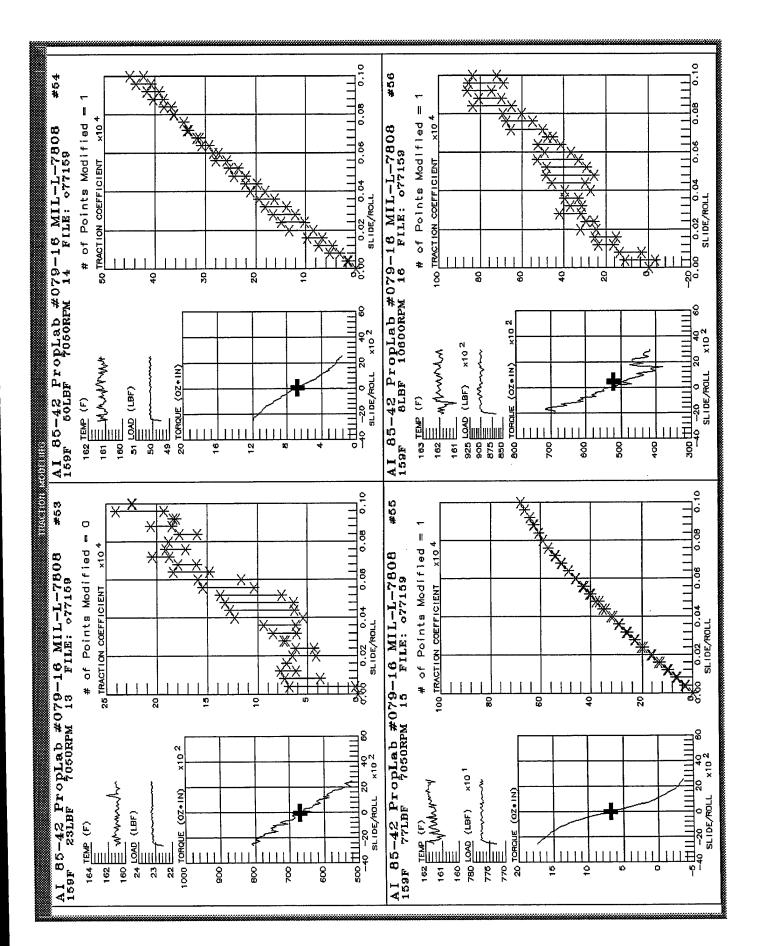


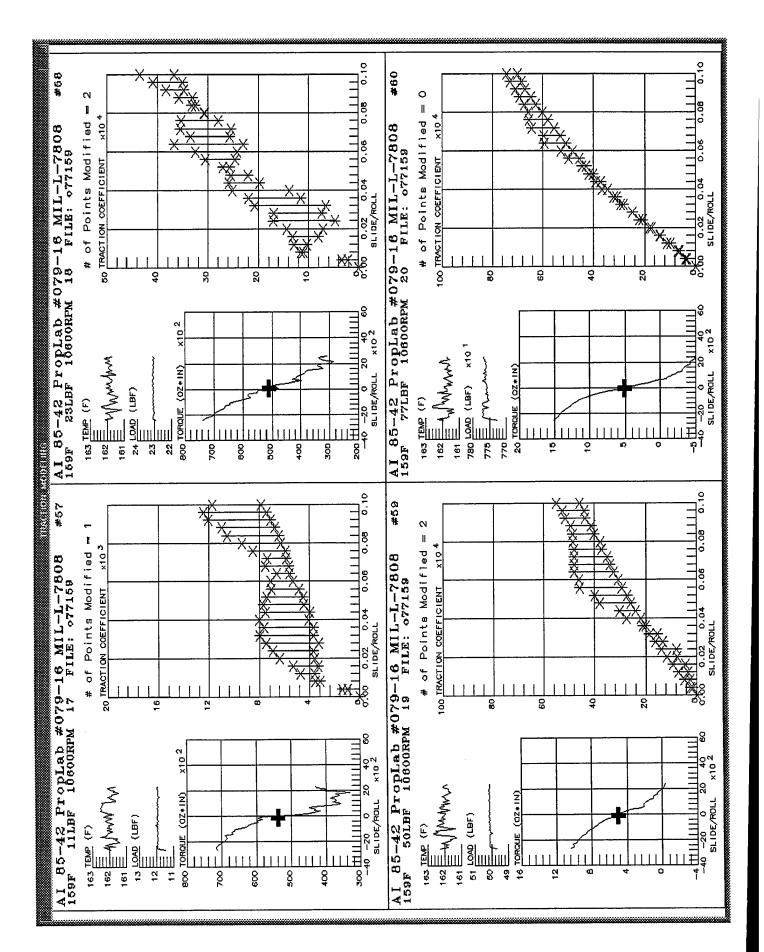


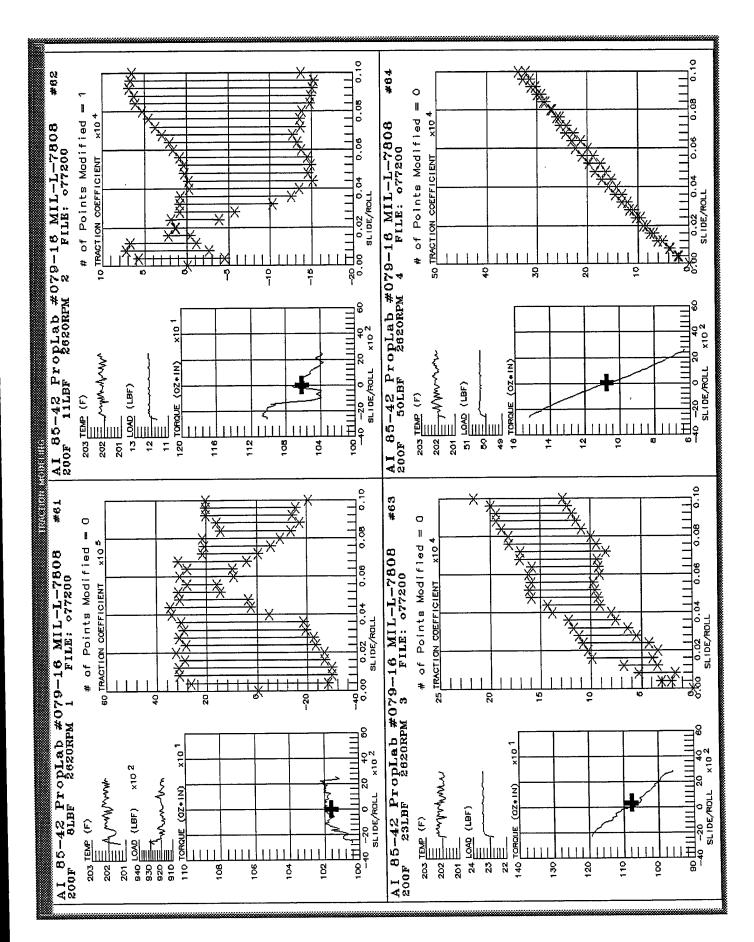


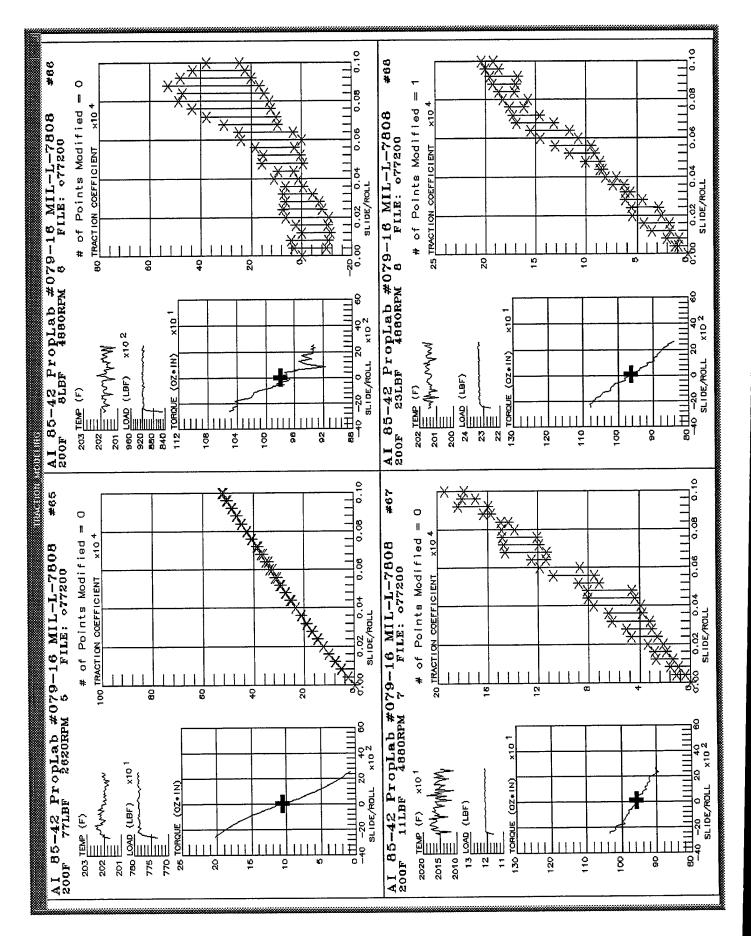


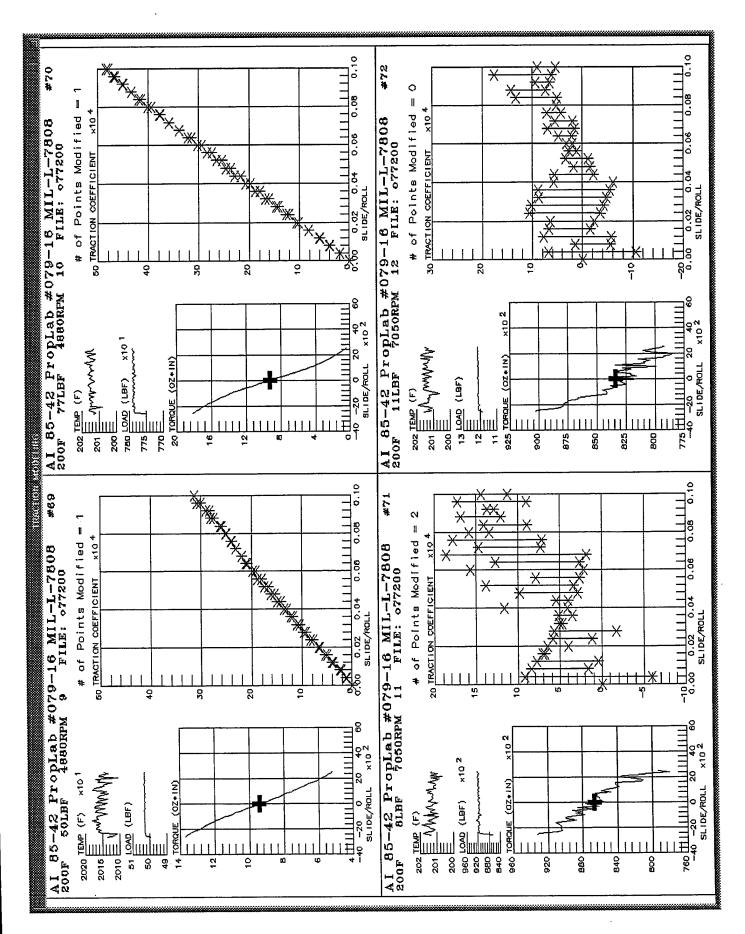


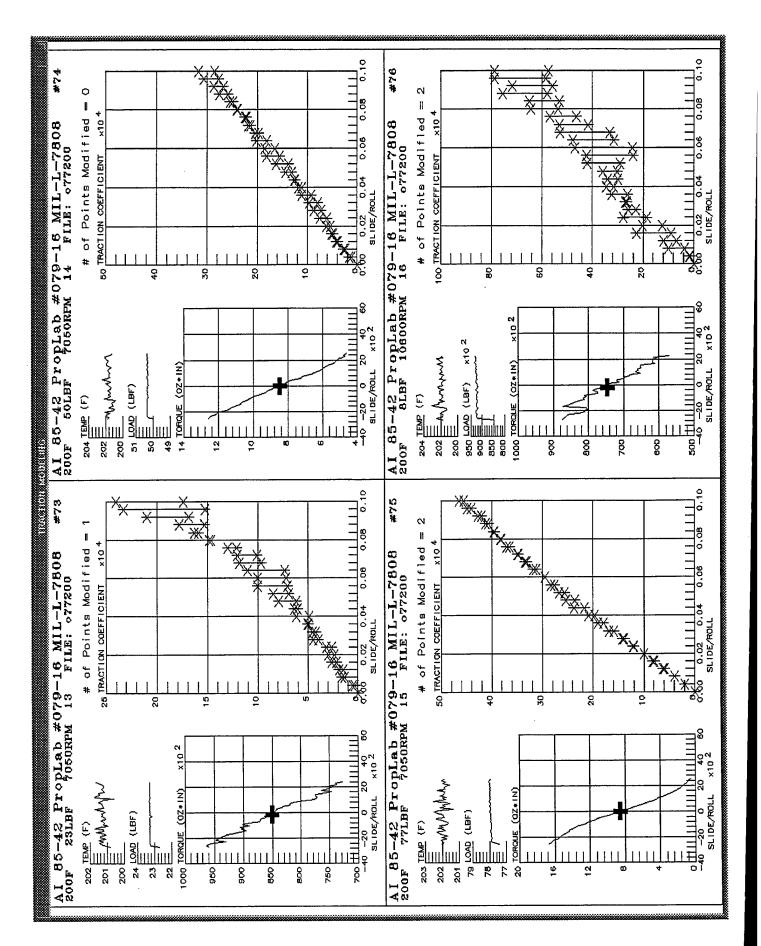


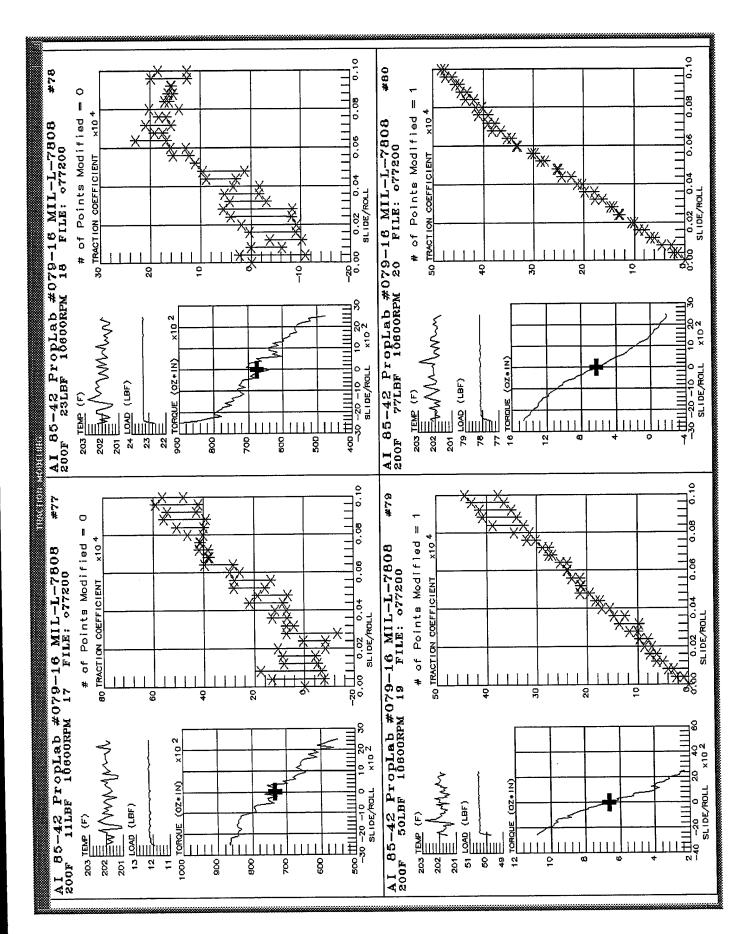


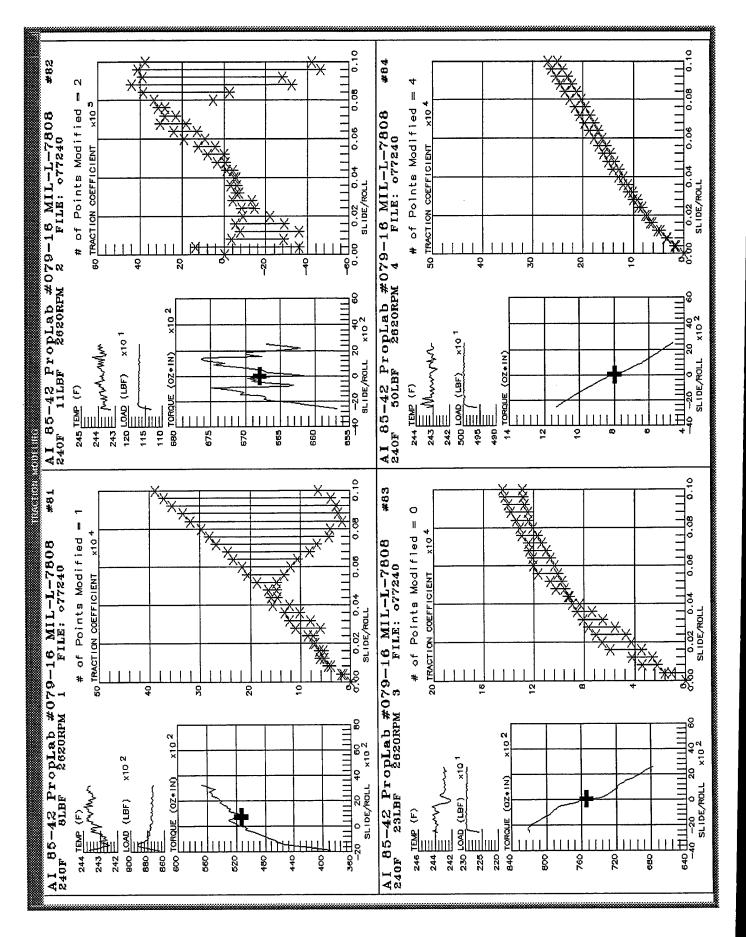


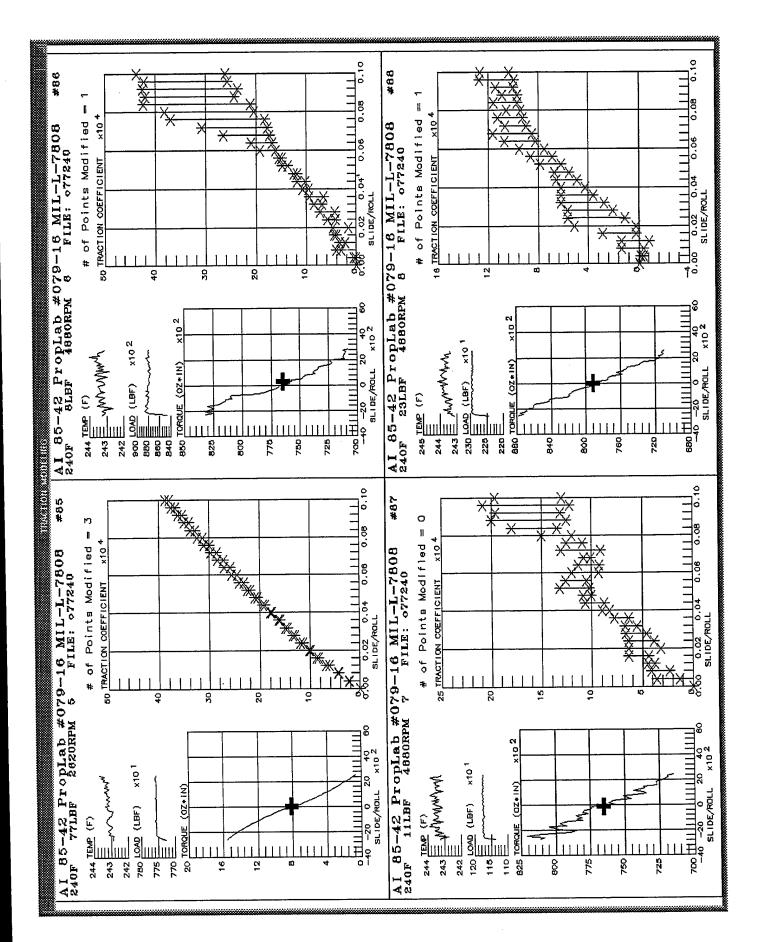


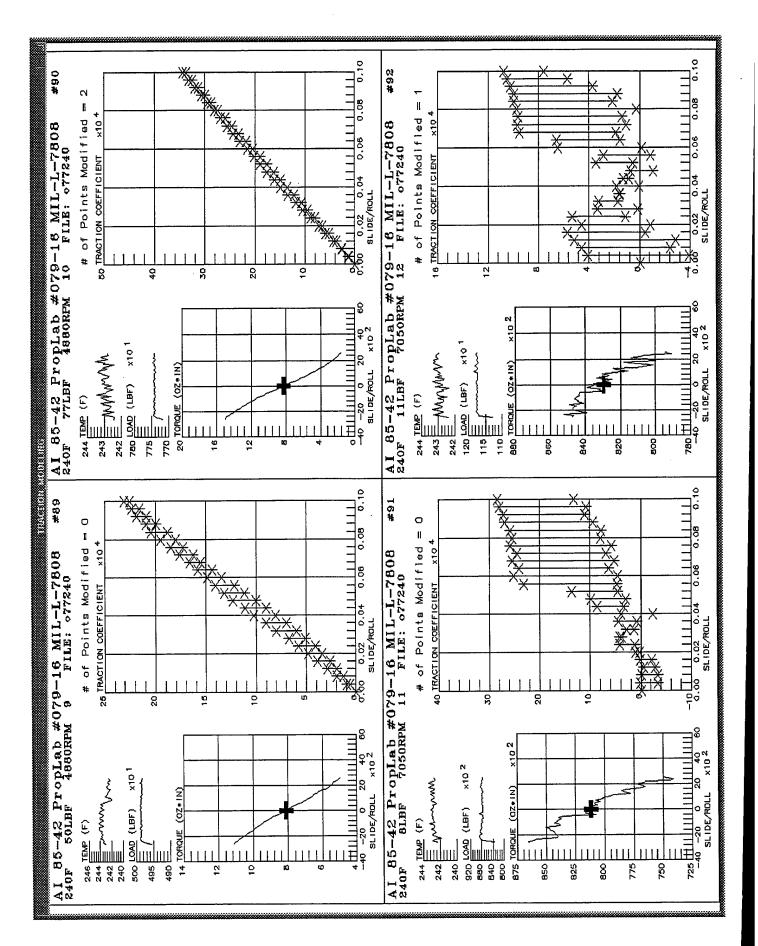


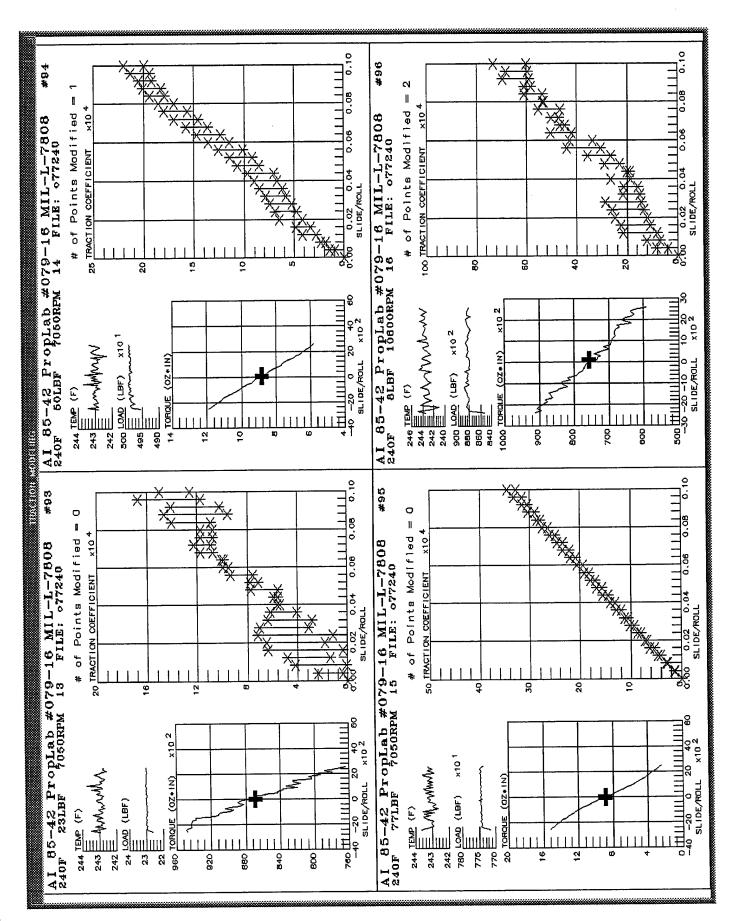


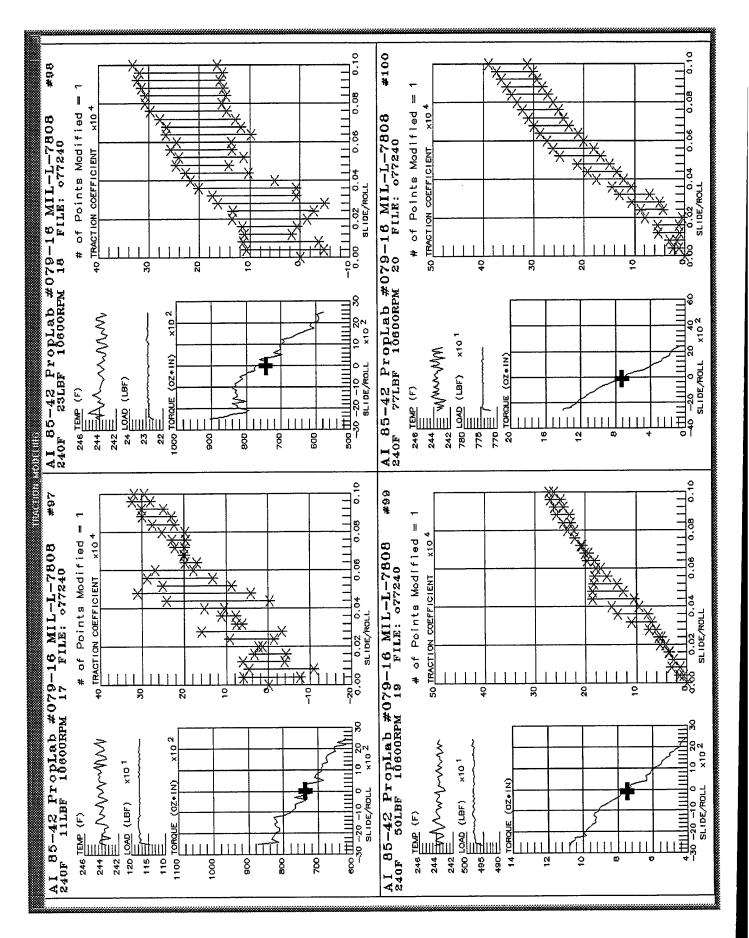






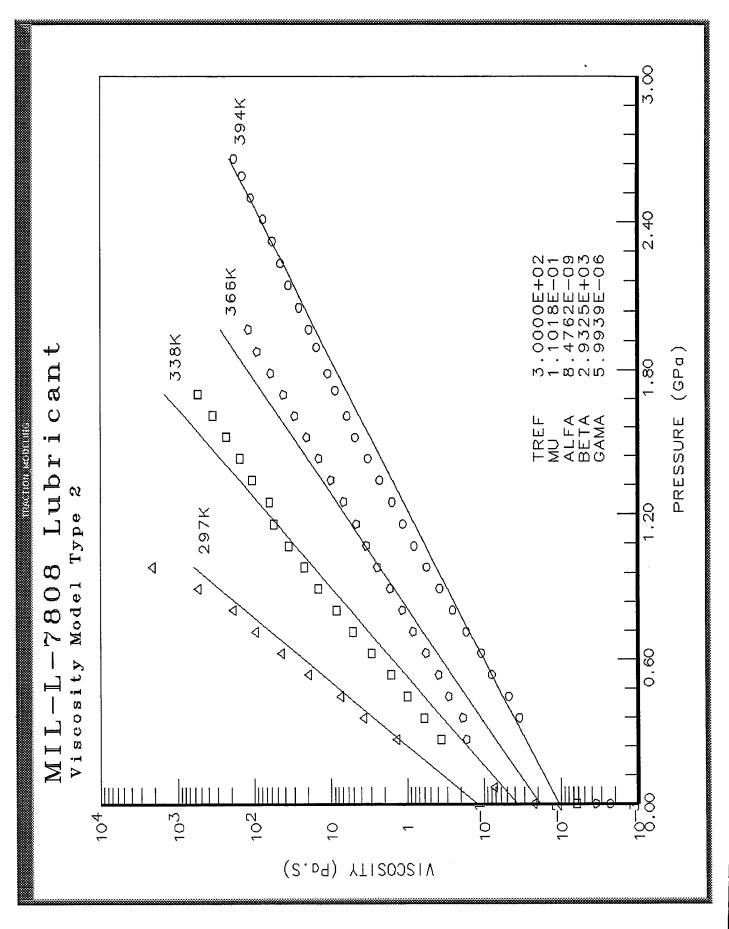


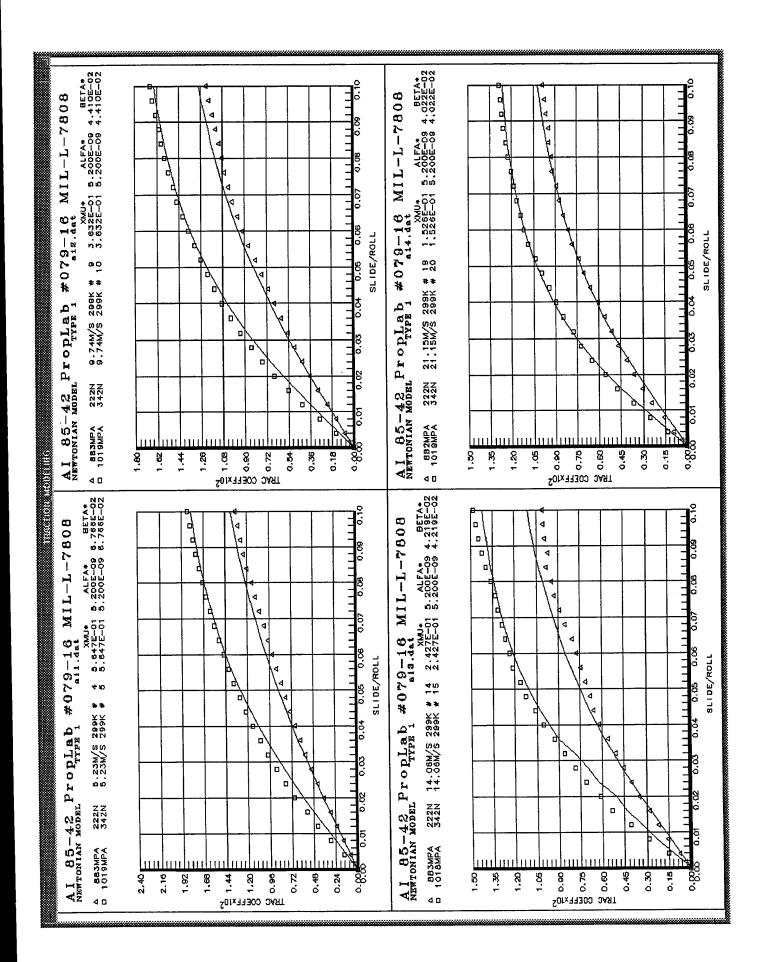


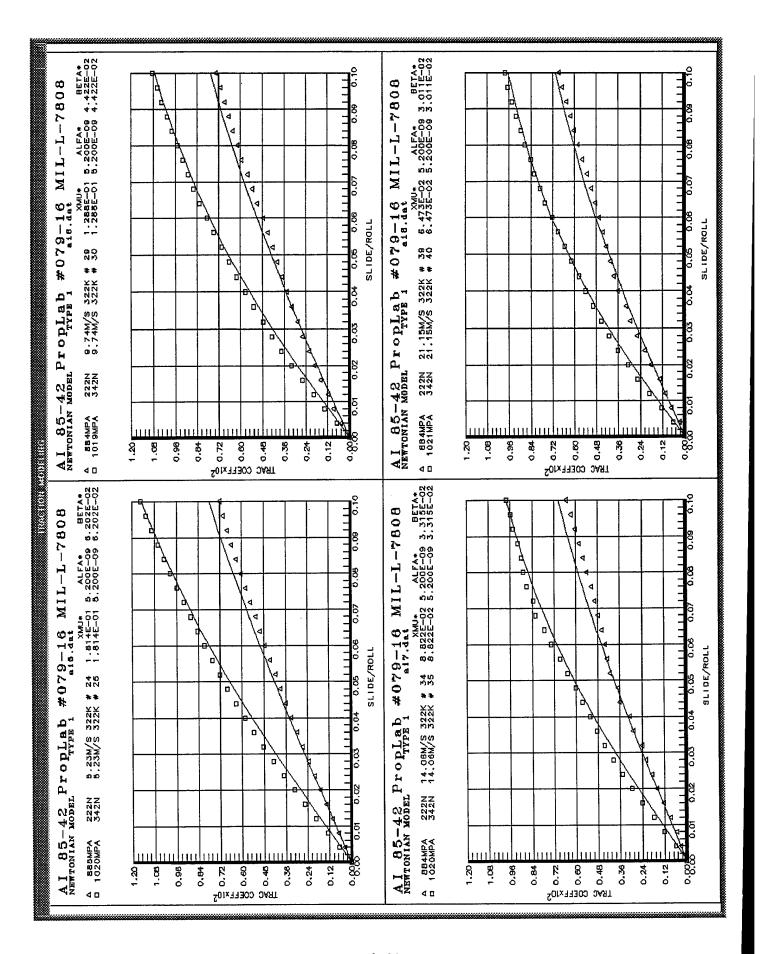


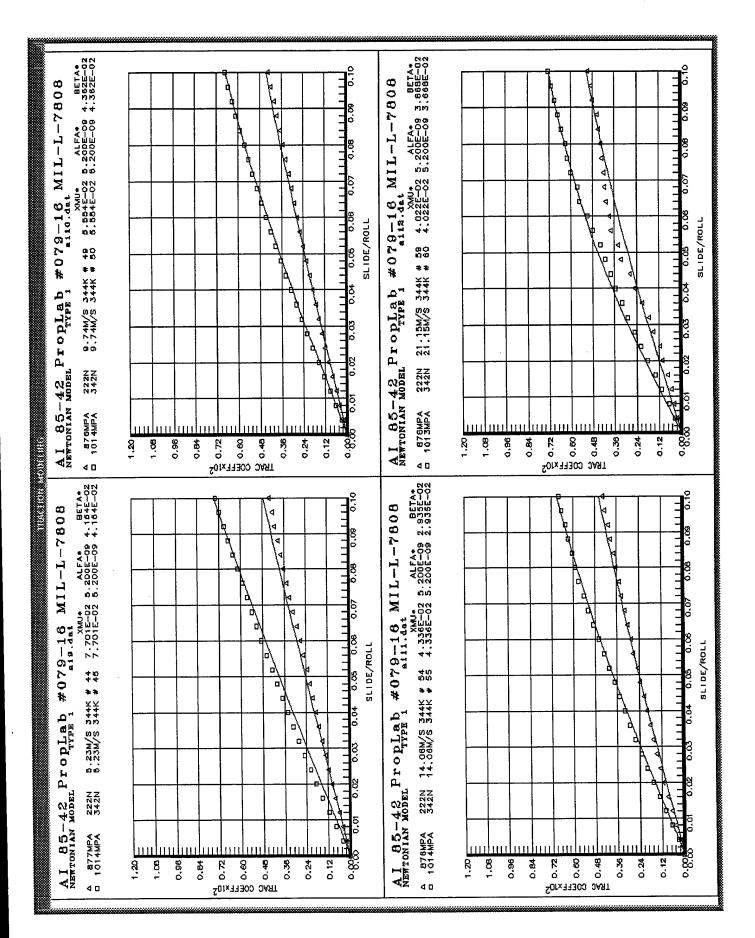
Lubricant name = AI 85-42 PropLab #79-16 MIL-L-7808

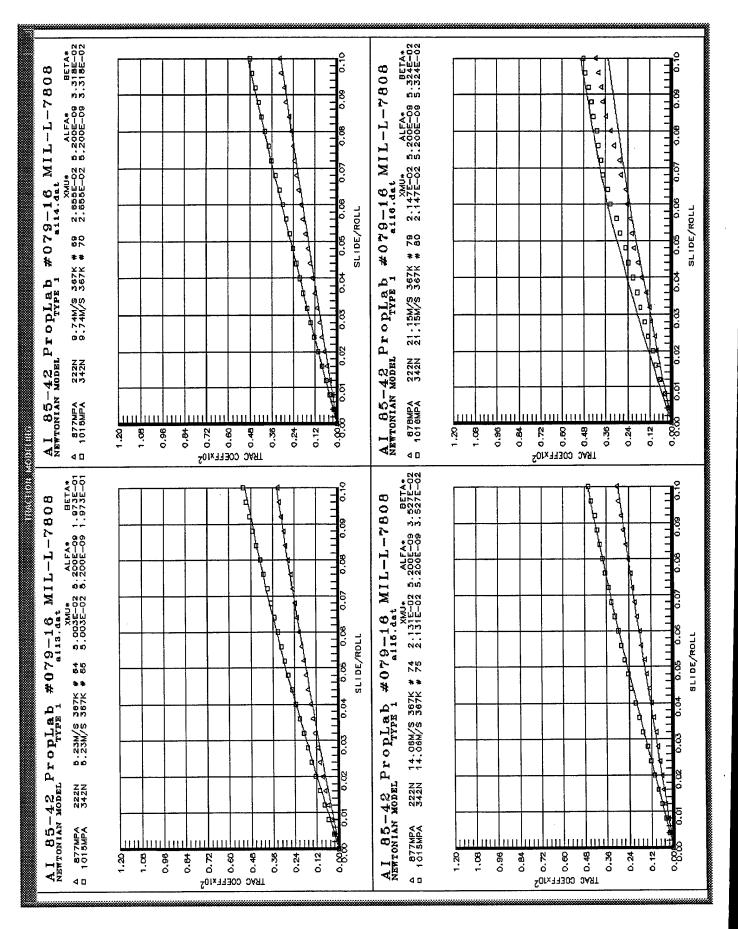
NEWTONIAN	MODEL TY	'PE 1			
Dataset Name	Inlet Temp	Roll Velocity	XMU*	ALFA*	BETA*
	(K)	(M/S)	(Pa.S)	(1/Pa)	(1/K)
ail.dat ai2.dat ai3.dat ai4.dat ai5.dat ai7.dat ai8.dat ai9.dat ai10.dat ai11.dat ai11.dat ai12.dat ai13.dat ai14.dat ai15.dat ai16.dat	2.9944E+02 2.9944E+02 2.9944E+02 3.222E+02 3.222E+02 3.222E+02 3.2222E+02 3.4389E+02 3.4389E+02 3.4389E+02 3.6667E+02 3.6667E+02 3.6667E+02	5.2267E+00 9.7352E+00 1.4064E+01 2.1146E+01 5.2267E+00 9.7352E+00 1.4064E+01 2.1146E+01 2.1146E+01 2.1146E+01 5.2267E+00 9.7352E+00 1.4064E+01 5.2267E+00 9.7352E+00	5.6467E-01 3.6319E-01 2.4268E-01 1.5258E-01 1.8136E-01 1.2885E-01 8.8223E-02 6.4734E-02 7.7012E-02 5.5537E-02 4.0220E-02 5.0033E-02 2.6551E-02 2.1309E-02 2.1472E-02	5.2000E-09 5.2000E-09 5.2000E-09 5.2000E-09 5.2000E-09 5.2000E-09 5.2000E-09 5.2000E-09 5.2000E-09 5.2000E-09 5.2000E-09 5.2000E-09 5.2000E-09 5.2000E-09	6.7660E-02 4.4096E-02 4.2192E-02 4.0224E-02 6.2017E-02 4.4216E-02 3.3151E-02 3.0114E-02 4.1539E-02 4.3620E-02 2.9351E-02 3.6677E-02 1.9730E-01 3.3176E-02 3.5267E-02 5.3240E-02
ai17.dat ai18.dat ai19.dat ai20.dat	3.8889E+02 3.8889E+02 3.8889E+02 3.8889E+02	5.2267E+00 9.7352E+00 1.4064E+01 2.1146E+01	4.8146E-02 1.5616E-02 1.1311E-02 1.3180E-02	5.2000E-09 5.2000E-09 5.2000E-09 5.2000E-09	4.1650E-01 5.9221E-02 1.6477E-02 7.3631E-02

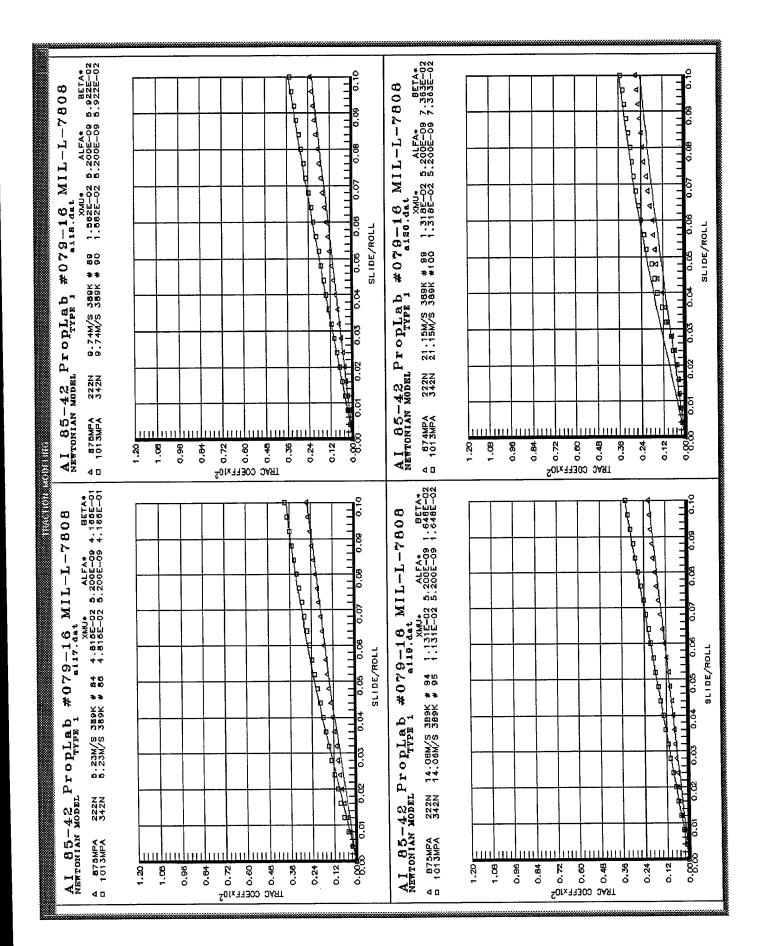












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3. Traction Data Set B: RL-714 Mobil Base Oil

Data set name:

Rolling radii [Disks 1 & 2] (in):
Crown radii [Disks 1 & 2] (in):

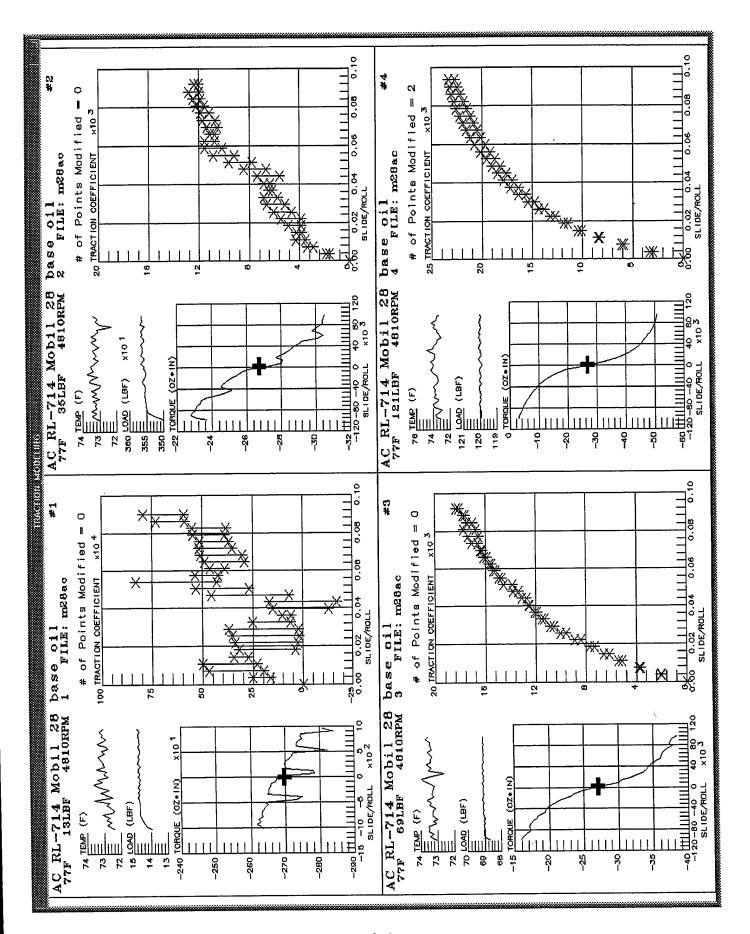
AC RL-714 Mobil 28 base oil
0.54
0.54
35.10
43.90

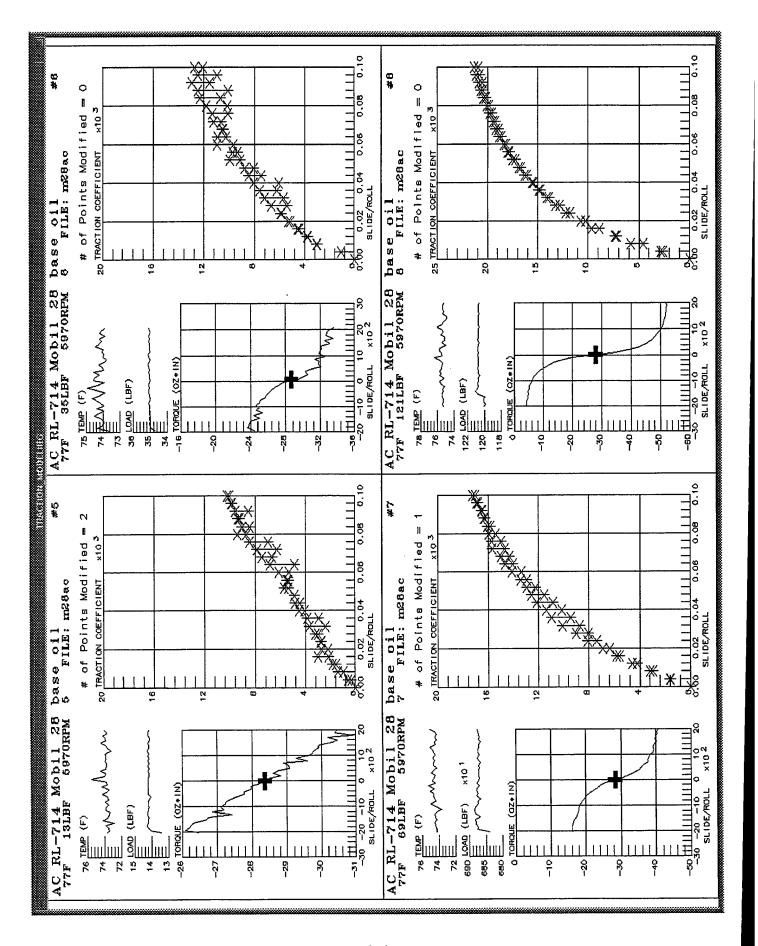
Number of data sets found = 48

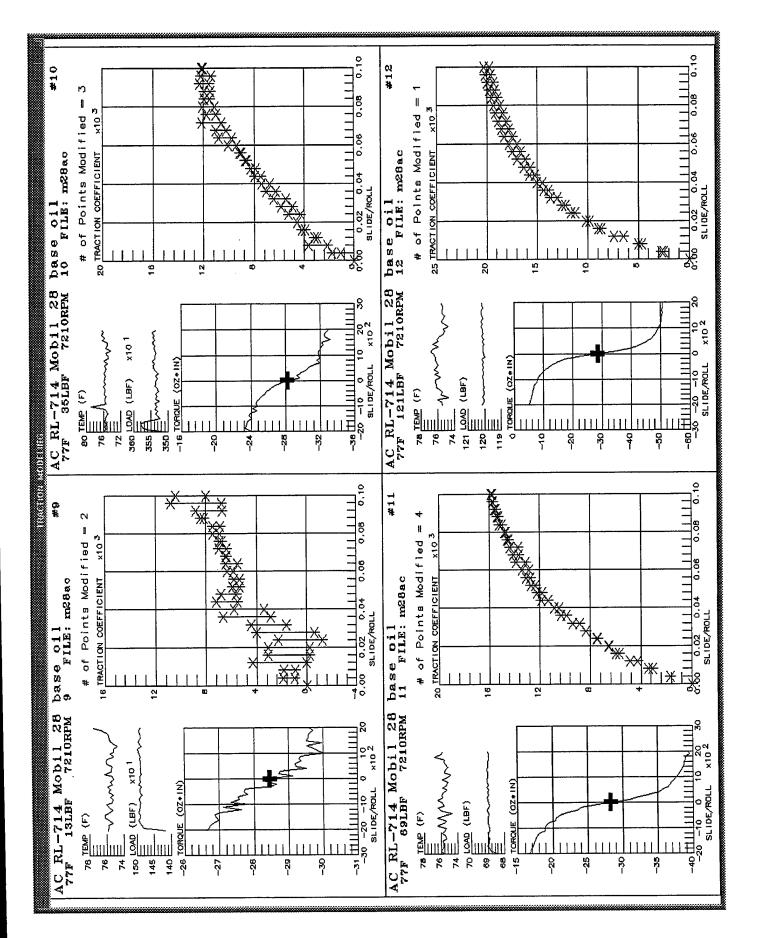
	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Points	Dataset/Test #
1	77.00	13.42	4570.00	5050.00	4810.00	41	m28ac #1
2	77.00	34.72	4570.00	5050.00	4810.00	41	m28ac #2
7	77.00	68.80	4570.00	5050.00	4810.00	41	m28ac #3
3 4	77.00	120.63	4570.00	5050.00	4810.00	41	m28ac #4
5	77.00	13.42	5370.00	6570.00	5970.00	41	m28ac #5
6	77.00	34.72	5370.00	6570.00	5970.00	41	m28ac #6
7	77.00	68.80	5370.00	6570.00	5970.00	41	m28ac #7
8	77.00	120.63	5370.00	6570.00	5970.00	41	m28ac #8
9	77.00	13.42	6490.00	7930.00	7210.00	41	m28ac #9
	77.00	34.72	6490.00	7930.00	7210.00	41	m28ac #10
10	77.00	68.80	6490.00	7930.00	7210.00	41	m28ac #11
11		120.63	6490.00	7930.00	7210.00	41	m28ac #12
12	77.00	13.42	4570.00	5050.00	4810.00	41	m28ac #13
13	104.00		4570.00	5050.00	4810.00	41	m28ac #14
14	104.00	34.72	4570.00	5050.00	4810.00	41	m28ac #15
15	104.00	68.80		5050.00	4810.00	41	m28ac #16
16	104.00	120.63	4570.00	6570.00	5970.00	41	m28ac #17
17	104.00	13.42	5370.00	6570.00	5970.00	41	m28ac #18
18	104.00	34.72	5370.00		5970.00	41	m28ac #19
19	104.00	68.80	5370.00	6570.00	5970.00	41	m28ac #20
20	104.00	120.63	5370.00	6570.00	7210.00	41	m28ac #21
21	104.00	13.42	6490.00	7930.00	7210.00	41	m28ac #22
22	104.00	34.72	6490.00	7930.00 7930.00	7210.00	41	m28ac #23
23	104.00	68.80	6490.00	7930.00	7210.00	41	m28ac #24
24	104.00	120.63	6490.00	5050.00	4810.00	41	m28ac #25
25	131.00	13.42	4570.00	5050.00	4810.00	41	m28ac #26
26	131.00	34.72	4570.00	5050.00	4810.00	41	m28ac #27
27	131.00	68.80	4570.00	5050.00	4810.00	41	m28ac #28
28	131.00	120.63	4570.00	6570.00	5970.00	41	m28ac #29
29	131.00	13.42	5370.00	6570.00	5970.00	41	m28ac #30
30	131.00	34.72	5370.00	6570.00	5970.00	41	m28ac #31
31	131.00	68.80	5370.00	6570.00	5970.00	41	m28ac #32
32	131.00	120.63	5370.00	7930.00	7210.00	41	m28ac #33
33	131.00	13.42	6490.00	7930.00	7210.00	41	m28ac #34
34	131.00	34.72	6490.00	7930.00	7210.00	41	m28ac #35
35	131.00	68.80	6490.00	7930.00	7210.00	41	m28ac #36
36	131.00	120.63	6490.00	5050.00	4810.00	41	m28ac #37
37	200.00	13.42	4570.00	5050.00	4810.00	41	m28ac #38
38	200.00	34.72	4570.00	5050.00	4810.00	41	m28ac #39
39	200.00	68.80	4570.00	5050.00	4810.00	41	m28ac #40
40	200.00	120.63	4570.00		5970.00	41	m28ac #41
41	200.00	13.42	5370.00	6570.00	5970.00	41	m28ac #42
42	200.00	34.72	5370.00	6570.00	5970.00	41	m28ac #43
43	200.00	68.80	5370.00	6570.00	5970.00	41	m28ac #44
44	200.00	120.63	5370.00	6570.00	7210.00	41	m28ac #45
45	200.00	13.42	6490.00	7930.00	7210.00	41	m28ac #46
46	200.00	34.72	6490.00	7930.00	7210.00	41	m28ac #47
47	200.00	68.80	6490.00	7930.00 7930.00	7210.00	41	m28ac #48
48	200.00	120.63	6490.00	7730.00	1210.00	71	

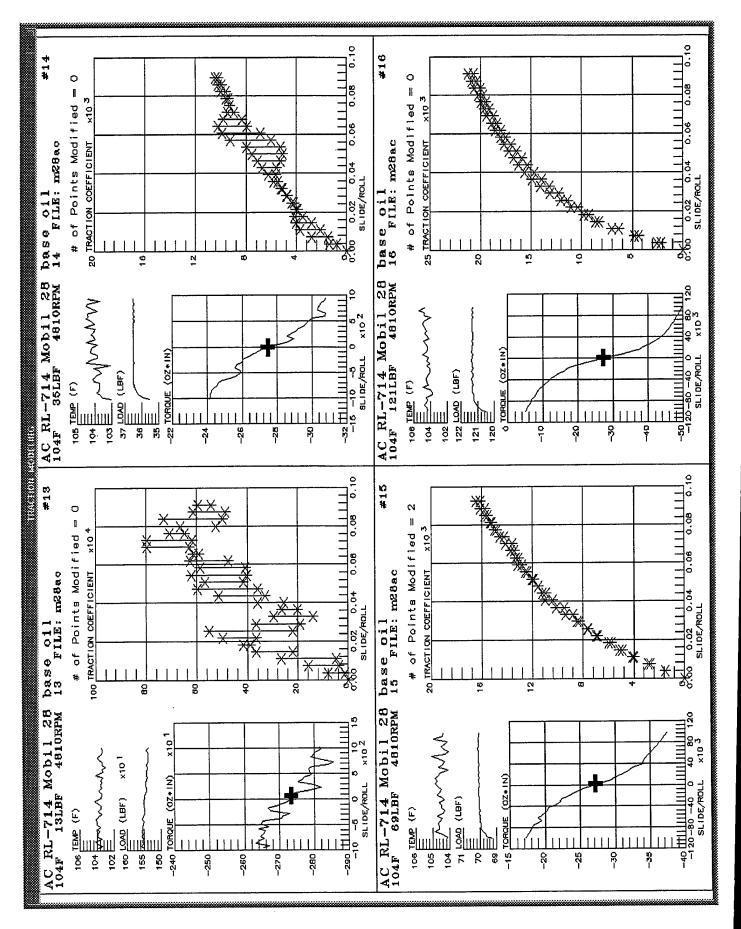
Summary of Select Data Files

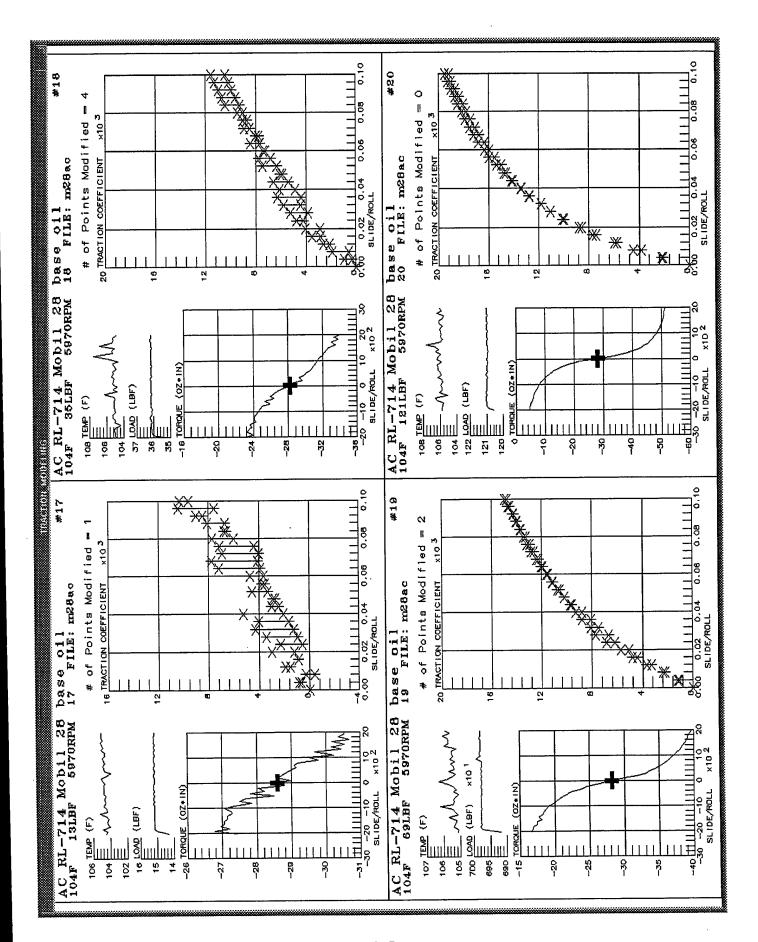
Filename	Temp	RollRpm	DataCurve #		
ac1.dat	77.00	4810.00	2	3	4
ac2.dat	77.00	5970.00	6	7	8
ac3.dat	77.00	7210.00	10	11	12
ac4.dat	104.00	4810.00	14	15	16
ac5.dat	104.00	5970.00	18	19	20
ac6.dat	104.00	7210.00	22	23	24
ac7.dat	131.00	4810.00	26	27	28
ac8.dat	131.00	5970.00	30	31	32
ac9.dat	131.00	7210.00	34	35	36
ac10.dat	200.00	4810.00	38	39	40
ac11.dat	200.00	5970.00	42	43	44
ac12 dat	200 00	7210.00	46	47	48

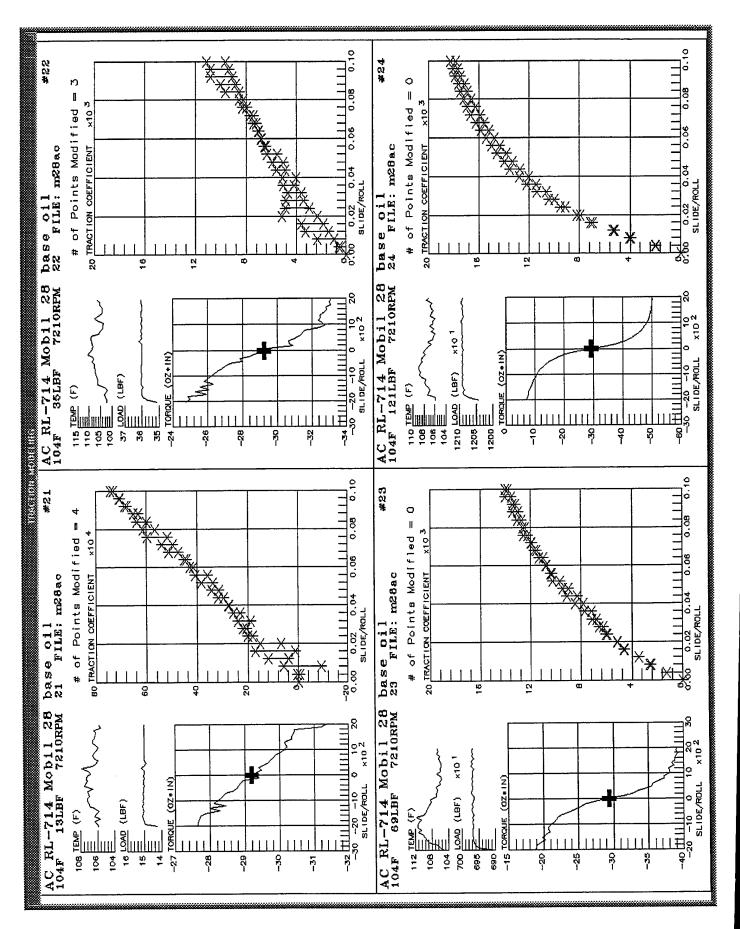


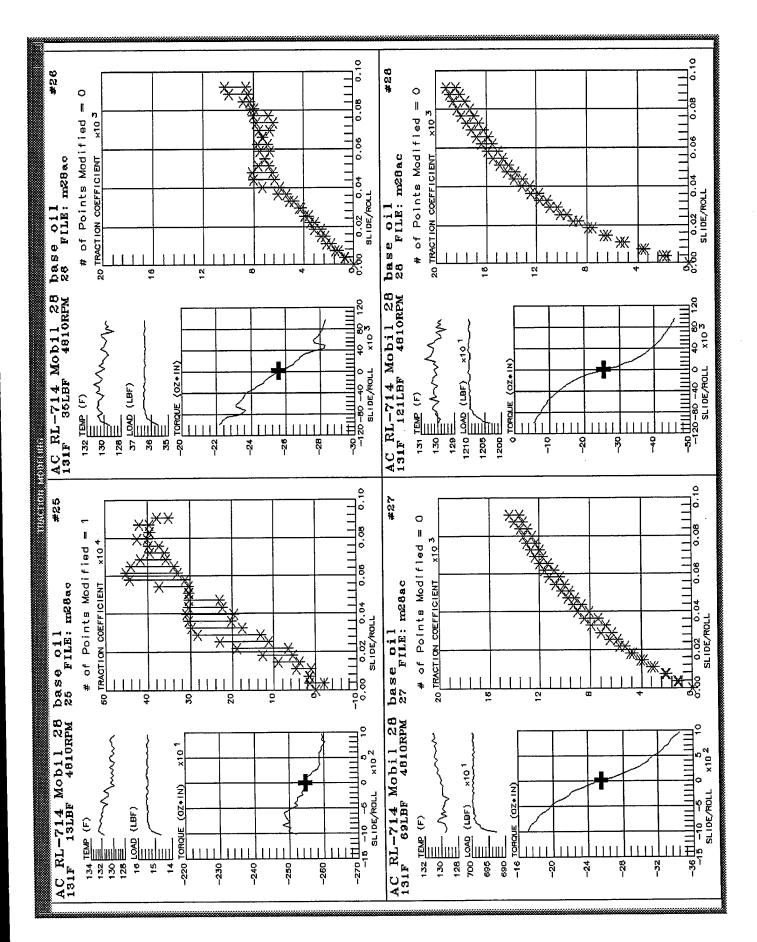


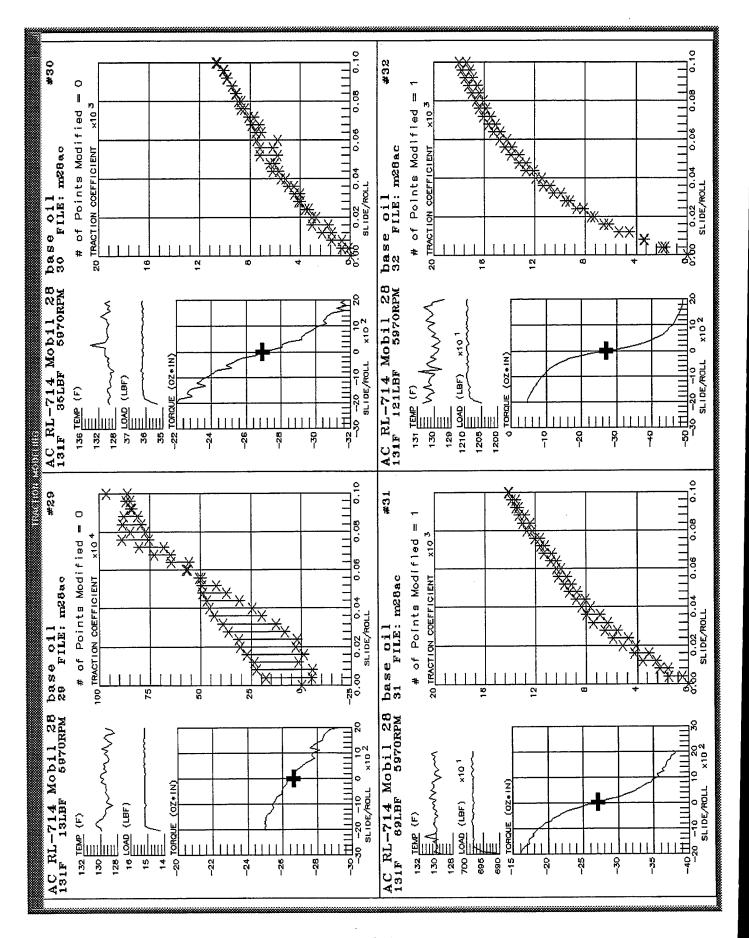


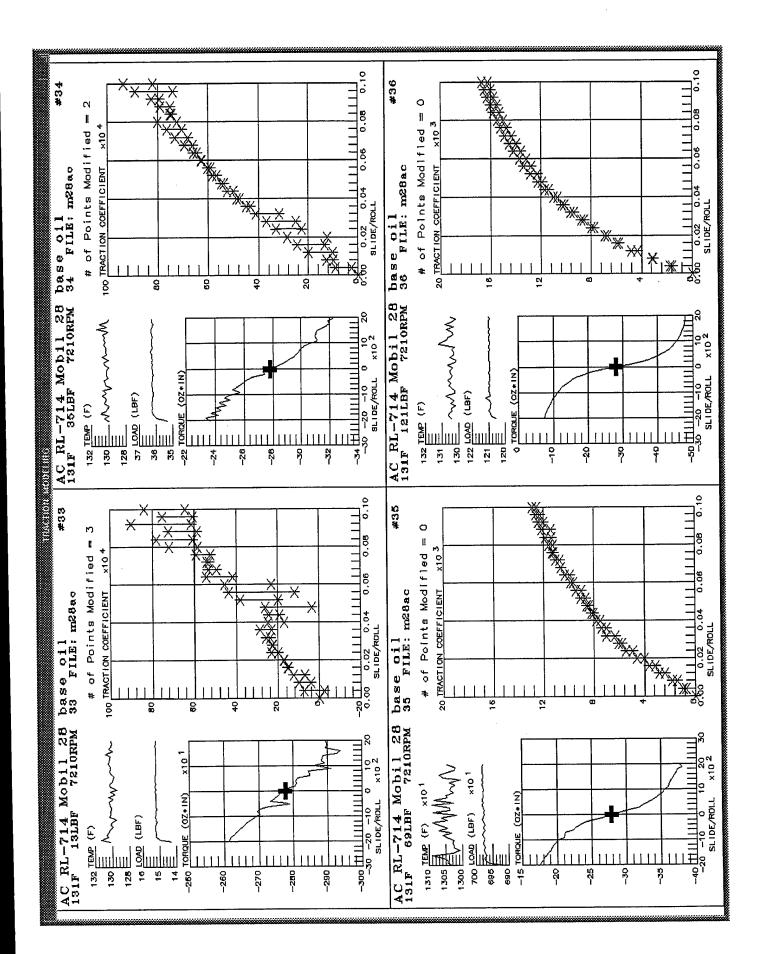


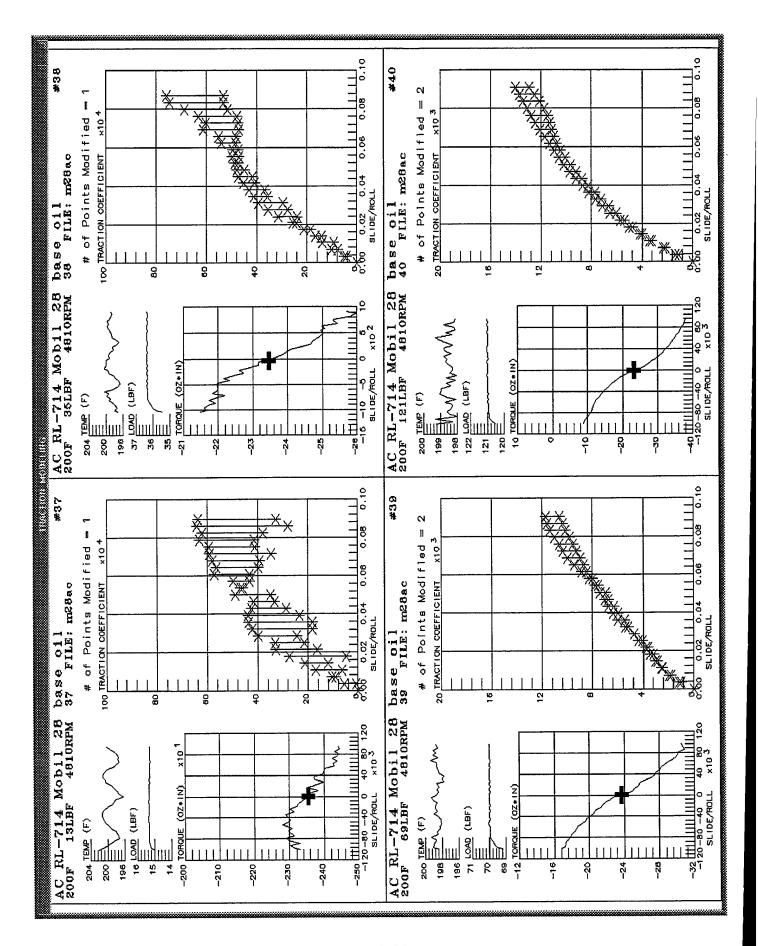


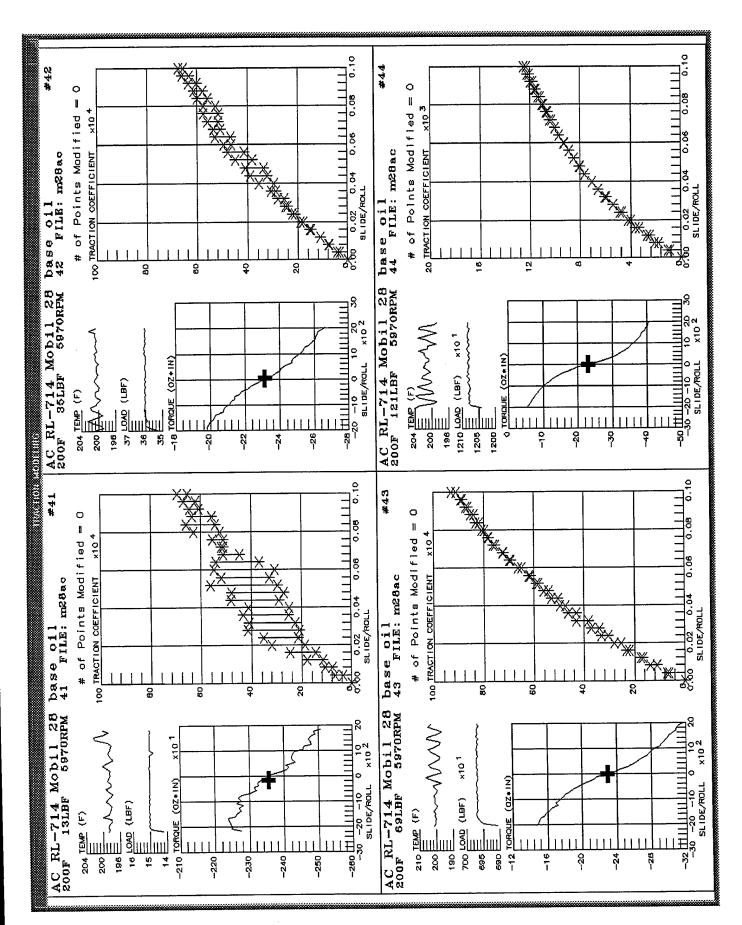


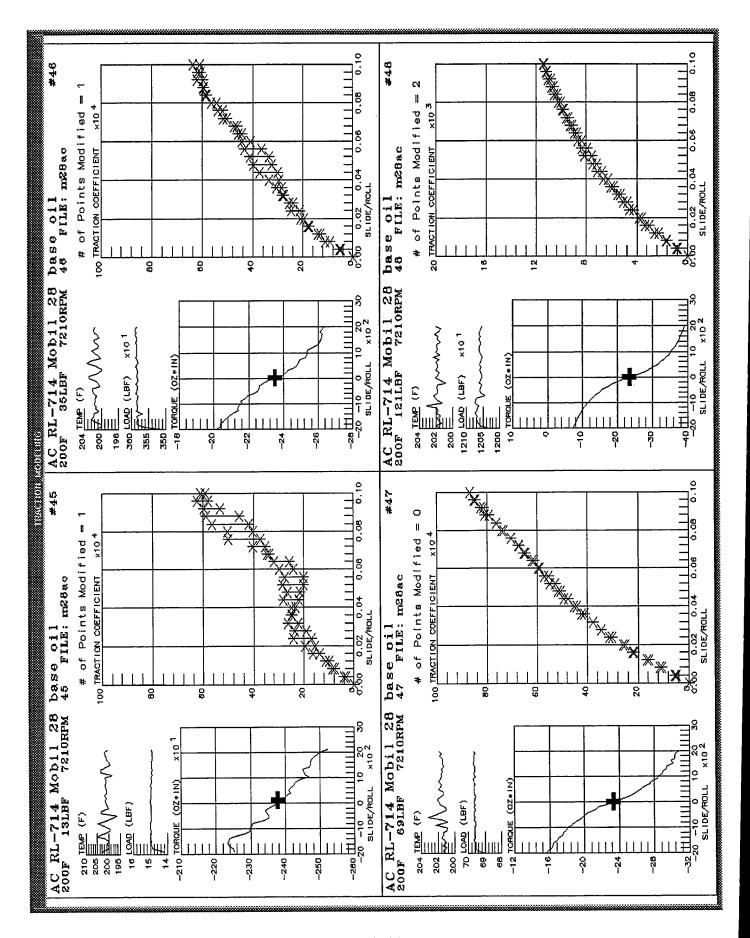






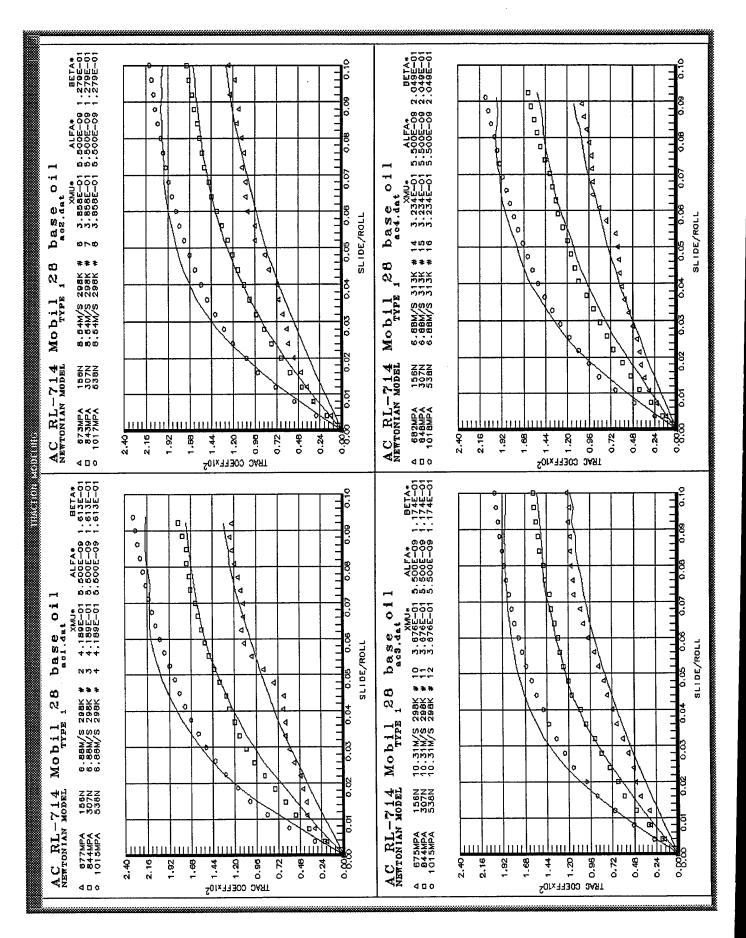


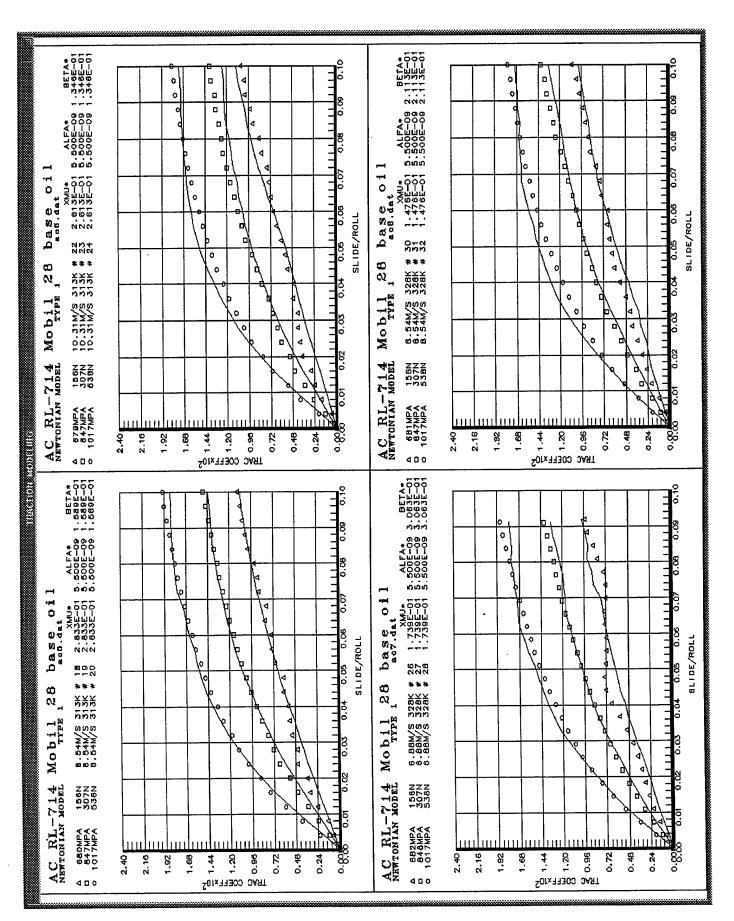


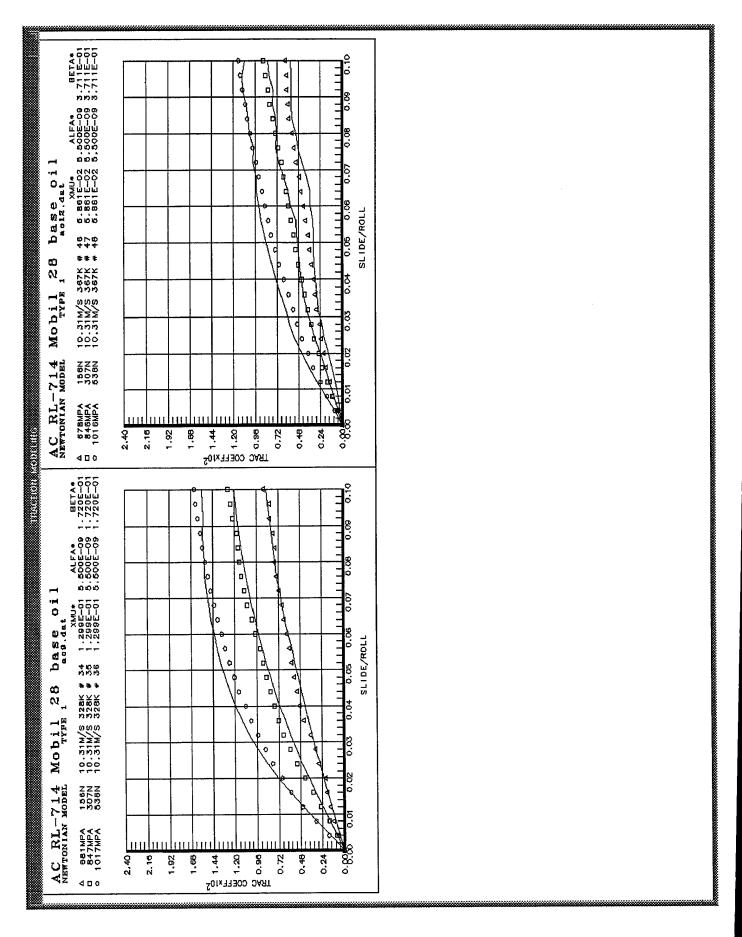


Lubricant name = AC RL-714 Mobil 28 base oil

NEWTONIAN	MODEL IY	PE 1			
Dataset Name	Inlet Temp	Roll Velocity	XMU*	ALFA*	BETA*
Traine	(K)	(M/S)	(Pa.S)	(1/Pa)	(1/K)
ac1.dat	2.9833E+02	6.8768E+00	4.1893E-01	5.5000E-09	1.6127E-01
ac2.dat	2.9833E+02	8.5352E+00	3.8583E-01	5.5000E-09	1.2789E-01
ac3.dat	2.9833E+02	1.0308E+01	3.6764E-01	5.5000E-09	1.1743E-01
ac4.dat	3.1333E+02	6.8768E+00	3.2337E-01	5.5000E-09	2.0490E-01
ac5.dat	3.1333E+02	8.5352E+00	2.8329E-01	5.5000E-09	1.5890E-01
ac6.dat	3.1333E+02	1.0308E+01	2.6126E-01	5.5000E-09	1.3455E-01
ac7.dat	3.2833E+02	6.8768E+00	1.7393E-01	5.5000E-09	3.0633E-01
ac8.dat	3.2833E+02	8.5352E+00	1.4755E-01	5.5000E-09	2.1134E-01
ac9.dat	3.2833E+02	1.0308E+01	1.2990E-01	5.5000E-09	1.7198E-01
ac12.dat	3.6667E+02	1.0308E+01	5.8611E-02	5.5000E-09	3.7105E-01







4. Traction Data Set C: Shell ST-78 Gear Oil

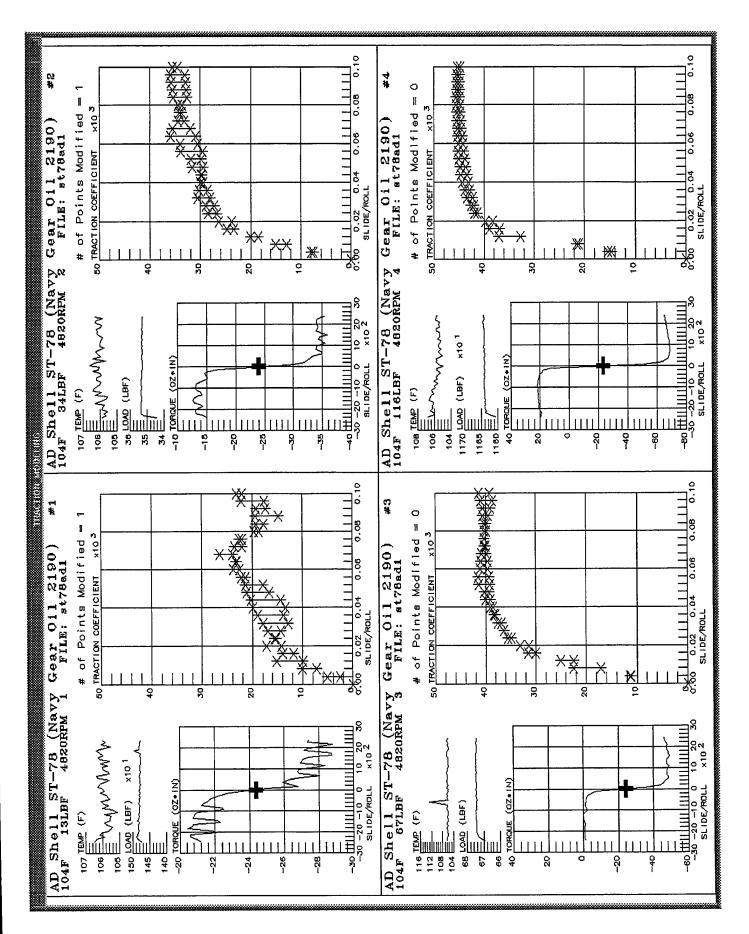
AD Shell ST-78 (Navy Gear Oil 2190) 0.54 0.54 36.30 37.00 Data set name: AD Shell Rolling radii [Disks 1 & 2] (in): 0.54 Crown radii [Disks 1 & 2] (in): 36.30

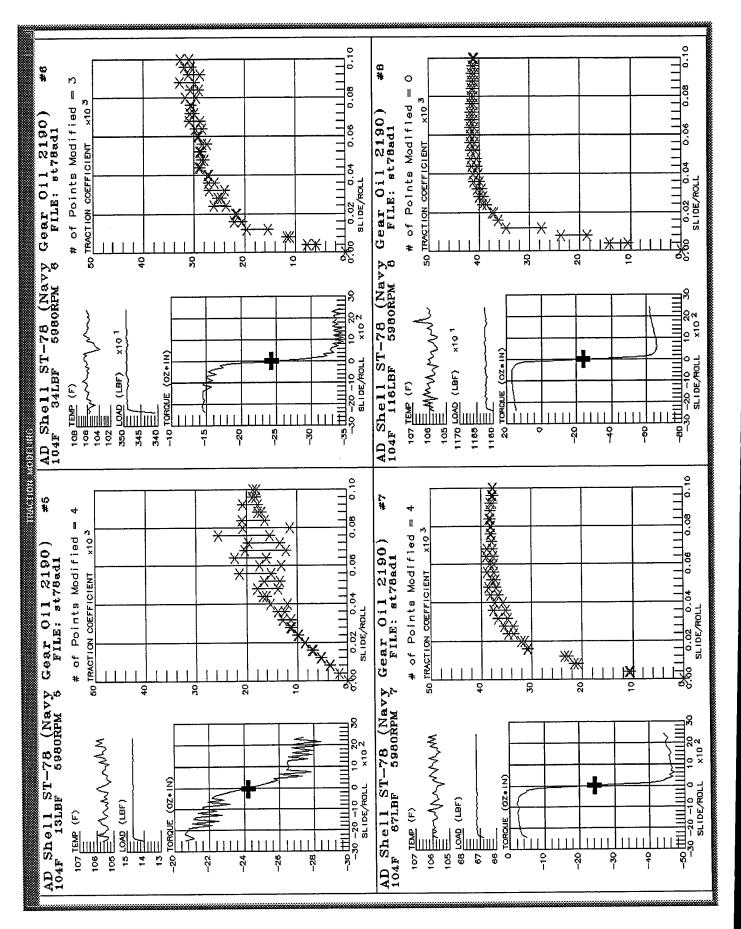
Number of data sets found = 48

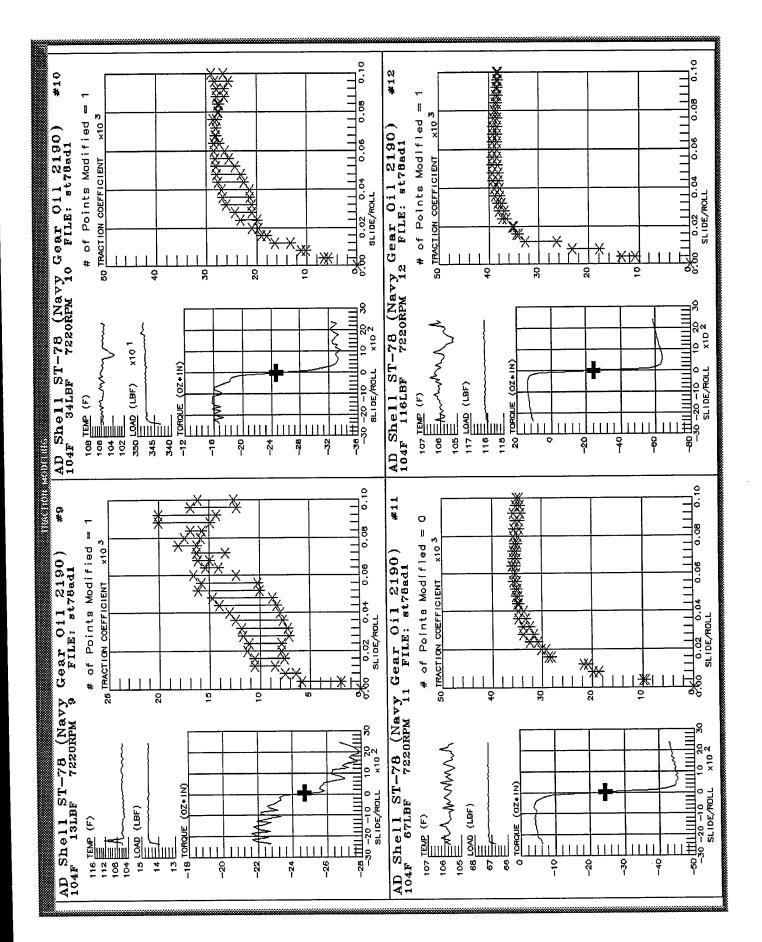
	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Points	Dataset/Test #
4	10/ 00	13.42	4244.00	5396.00	4820.00	49	st78ad1 #1
1	104.00	34.01	4244.00	5396.00	4820.00	49	st78ad1 #2
2	104.00		4244.00	5396.00	4820.00	49	st78ad1 #3
3	104.00	66.67 116.37	4244.00	5396.00	4820.00	49	st78ad1 #4
4	104.00		5260.00	6700.00	5980.00	49	st78ad1 #5
5	104.00	13.42	5260.00	6700.00	5980.00	49	st78ad1 #6
6	104.00	34.01	5260.00	6700.00	5980.00	49	st78ad1 #7
7	104.00	66.67	5260.00	6700.00	5980.00	49	st78ad1 #8
8	104.00	116.37		8084.00	7220.00	49	st78ad1 #9
9	104.00	13.42	6356.00	8084.00	7220.00	49	st78ad1 #10
10	104.00	34.01	6356.00	8084.00	7220.00	49	st78ad1 #11
11	104.00	66.67	6356.00		7220.00	49	st78ad1 #12
12	104.00	116.37	6356.00	8084.00	4820.00	49	st78ad1 #13
13	200.00	13.42	4244.00	5396.00	4820.00	49	st78ad1 #14
14	200.00	34.01	4244.00	5396.00		49	st78ad1 #15
15	200.00	66.67	4244.00	5396.00	4820.00	49	st78ad1 #16
16	200.00	116.37	4244.00	5396.00	4820.00	49	st78ad1 #17
17	200.00	13.42	5260.00	6700.00	5980.00	49	st78ad1 #18
18	200.00	34.01	5260.00	6700.00	5980.00	49	st78ad1 #19
19	200.00	66.67	5260.00	6700.00	5980.00	49	st78ad1 #20
20	200.00	116.37	5260.00	6700.00	5980.00	49	st78ad1 #21
21	200.00	13.42	6356.00	8084.00	7220.00	49	st78ad1 #22
22	200.00	34.01	6356.00	8084.00	7220.00	49	st78ad1 #23
23	200.00	66.67	6356.00	8084.00	7220.00	49	st78ad1 #24
24	200.00	116.37	6356.00	8084.00	7220.00	49	st78ad3 #1
25	77.00	13.51	4244.00	5396.00	4820.00	49	st78ad3 #2
26	77.00	34.10	4244.00	5396.00	4820.00	49	st78ad3 #3
27	77.00	66.76	4244.00	5396.00	4820.00 4820.00	49	st78ad3 #4
28	77.00	116.46	4244.00	5396.00		49	st78ad3 #5
29	77.00	13.51	5260.00	6700.00	5980.00	49	st78ad3 #6
30	77.00	34.10	5260.00	6700.00	5980.00	49	st78ad3 #7
31	77.00	66.76	5260.00	6700.00	5980.00	49	st78ad3 #8
32	77.00	116.46	5260.00	6700.00	5980.00	49	st78ad3 #9
33	77.00	13.51	6356.00	8084.00	7220.00	49	st78ad3 #10
34	77.00	34.10	6356.00	8084.00	7220.00	49	st78ad3 #11
35	77.00	66.76	6356.00	8084.00	7220.00	49	st78ad3 #12
36	77.00	116.46	6356.00	8084.00	7220.00	49	st78ad3 #13
37	131.00	13.51	4244.00	5396.00	4820.00	49	st78ad3 #14
38	131.00	34.10	4244.00	5396.00	4820.00	49	st78ad3 #15
39	131.00	66.76	4244.00	5396.00	4820.00	49	st78ad3 #16
40	131.00	116.46	4244.00	5396.00	4820.00	49	st78ad3 #17
41	131.00	13.51	5260.00	6700.00	5980.00 5980.00	49	st78ad3 #18
42	131.00	34.10	5260.00	6700.00	5980.00	49	st78ad3 #19
43	131.00	66.76	5260.00	6700.00	5980.00	49	st78ad3 #20
44	131.00	116.46	5260.00	6700.00	7220.00	49	st78ad3 #21
45	131.00	13.51	6356.00	8084.00	7220.00	49	st78ad3 #22
46	131.00	34.10	6356.00	8084.00	7220.00	49	st78ad3 #23
47	131.00	66.76	6356.00	8084.00	7220.00	49	st78ad3 #24
48	131.00	116.46	6356.00	8084.00	1220.00	7,	

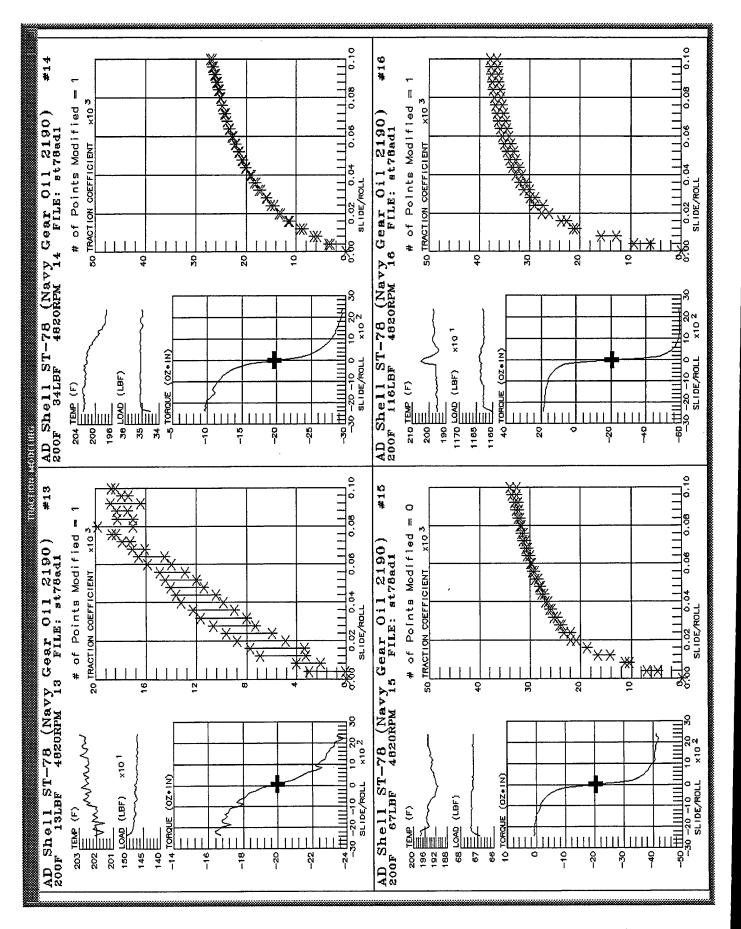
Summary of Select Data Files

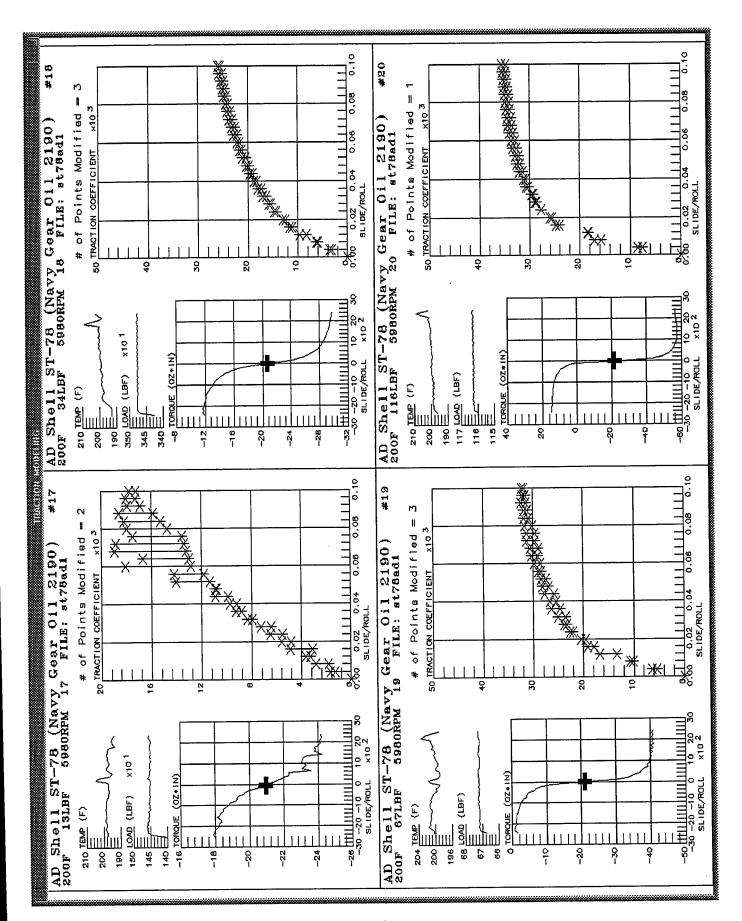
Filename	Temp	RollRpm	Dat	aCur	ve #
ad1.dat	77.00	4820.00	26	27	28
ad2.dat	77.00	5980.00	30	31	32
ad3.dat	77.00	7220.00	34	35	36
ad4.dat	104.00	4820.00	2	3	4
ad5.dat	104.00	5980.00	6	7	8
ad6.dat	104.00	7220.00	10	11	12
ad7.dat	131.00	4820.00	38	39	40
ad8.dat	131.00	5980.00	42	43	44
ad9.dat	131.00	7220.00	46	47	48
ad10.dat	200.00	4820.00	14	15	16
ad11.dat	200.00	5980.00	18	19	20
ad12.dat	200.00	7220.00	22	23	24

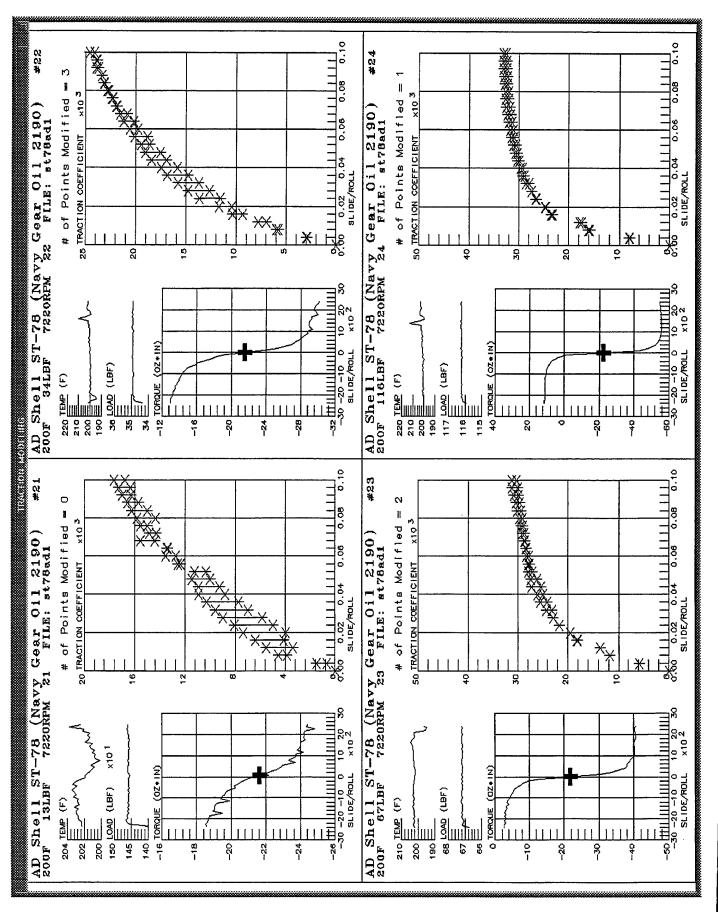


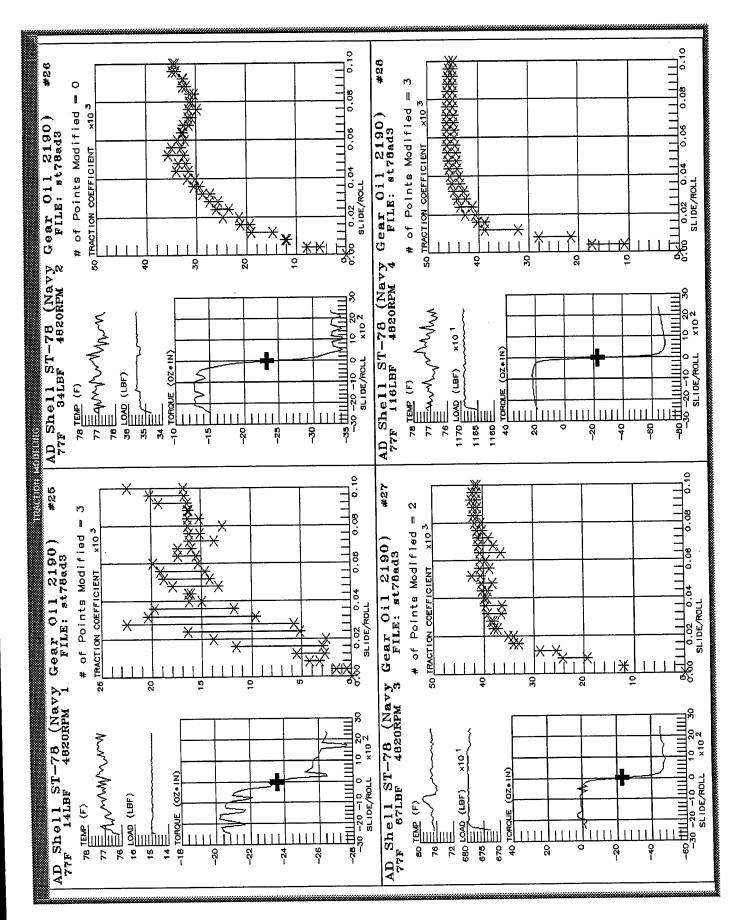


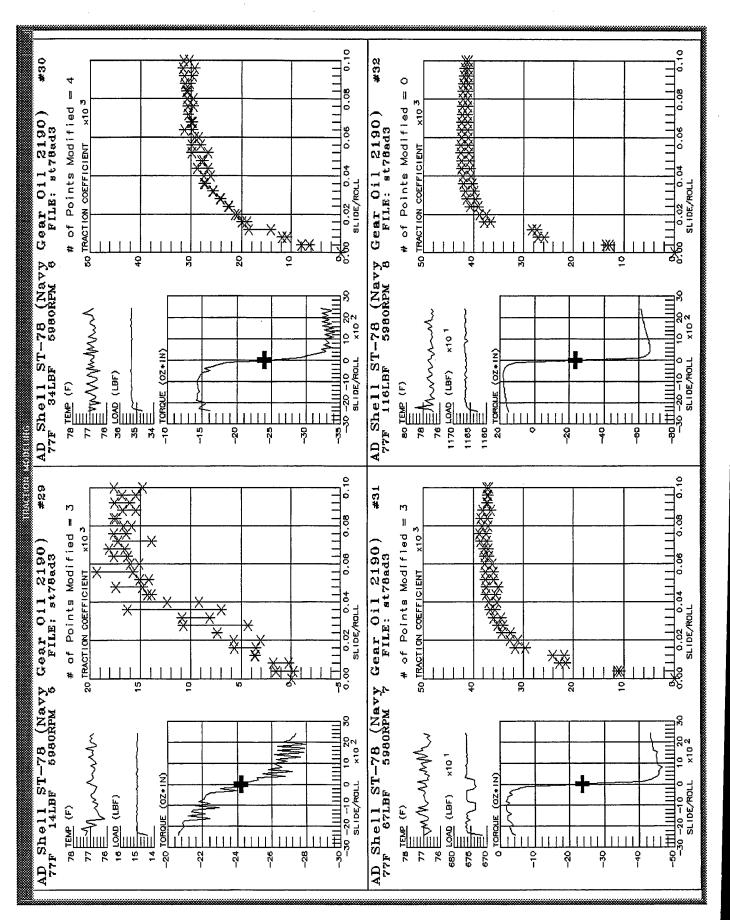


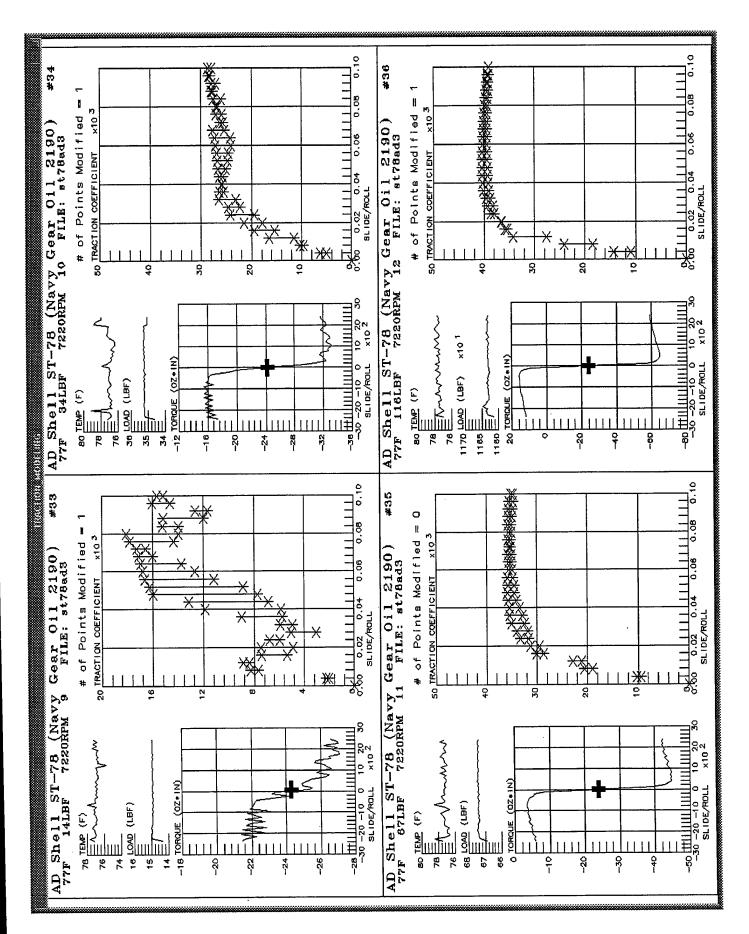


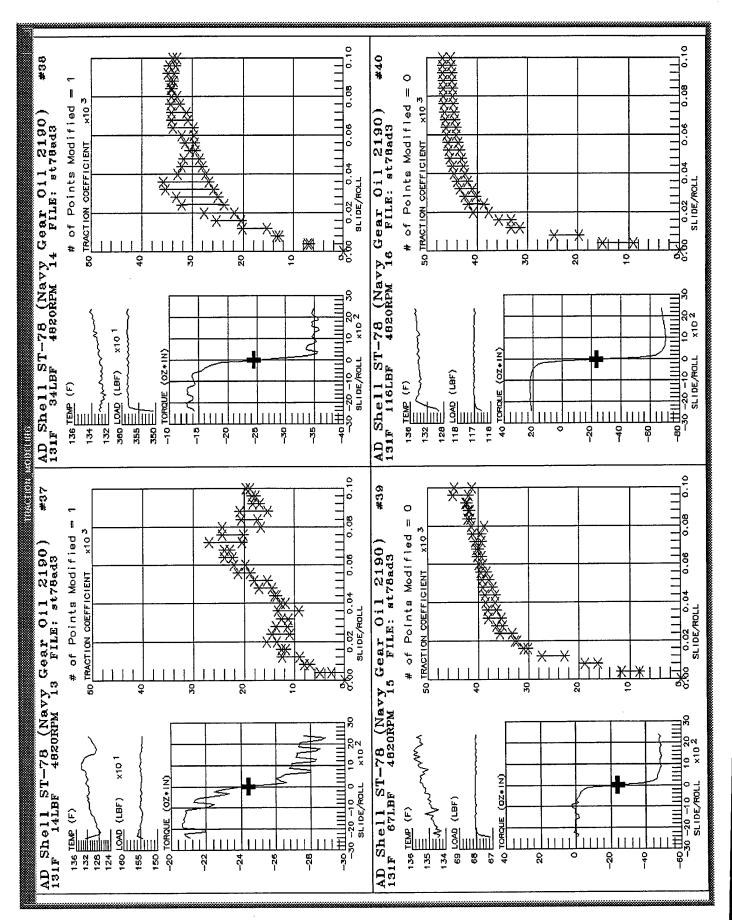


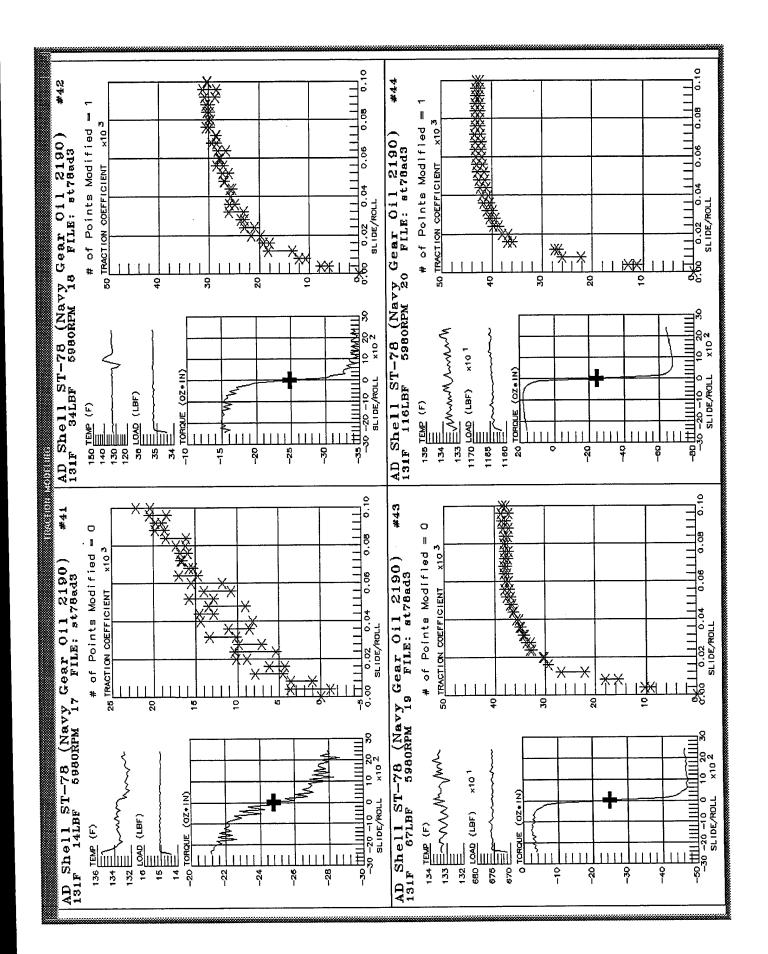


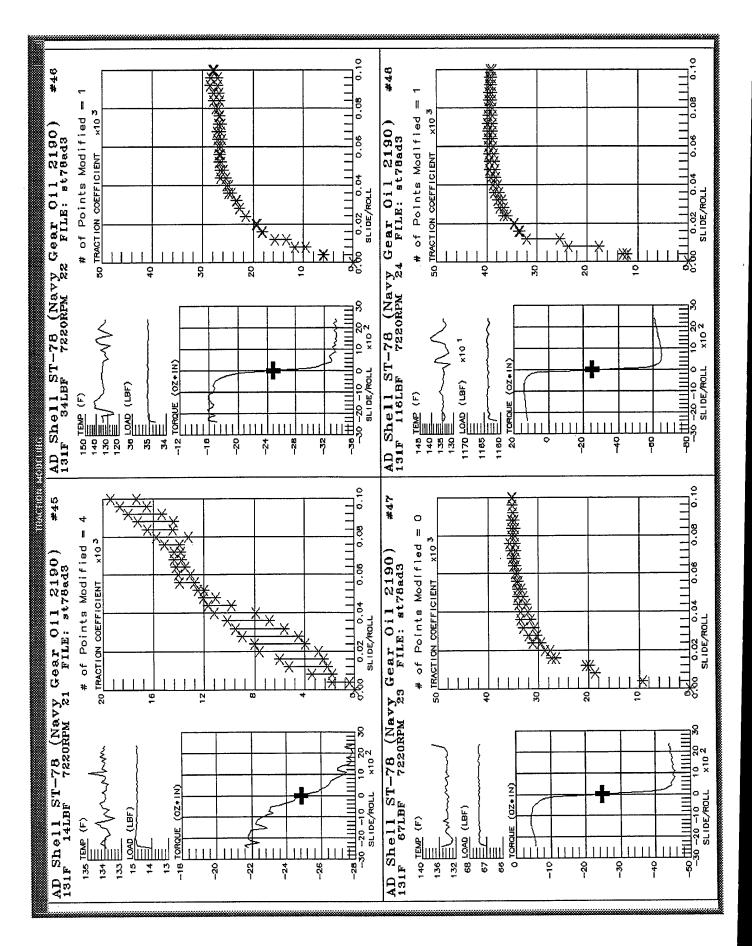






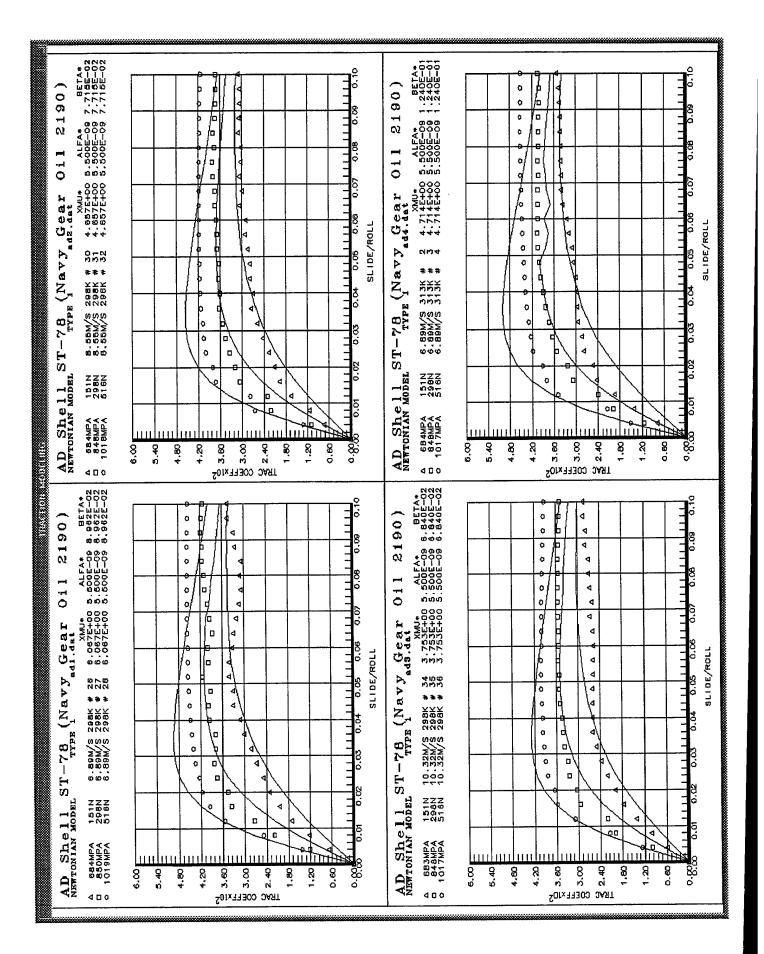


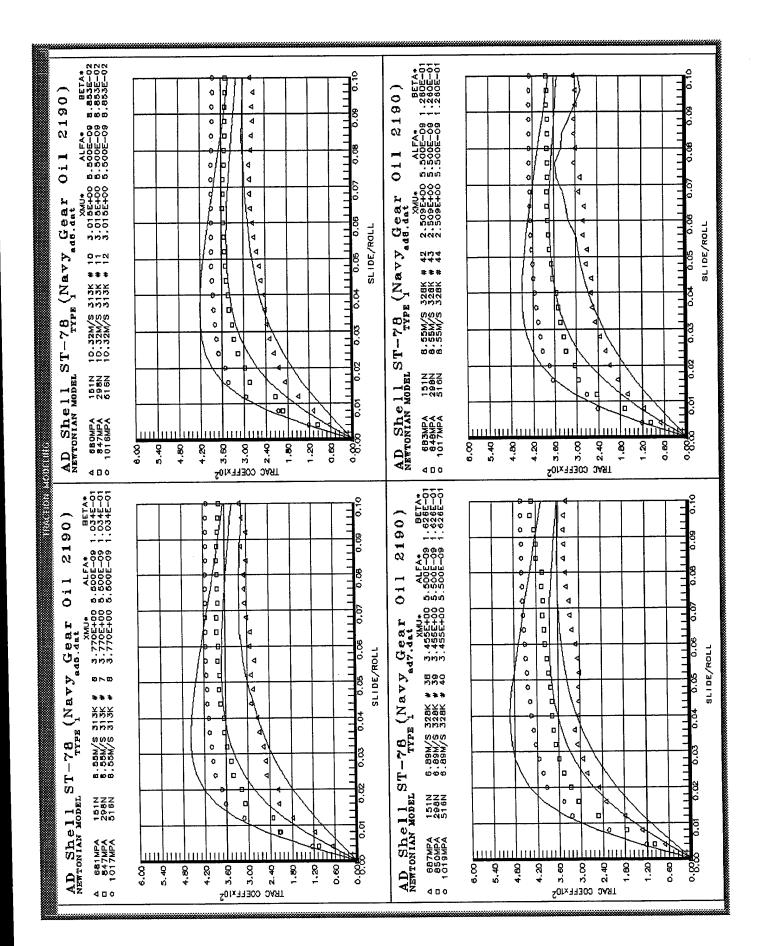


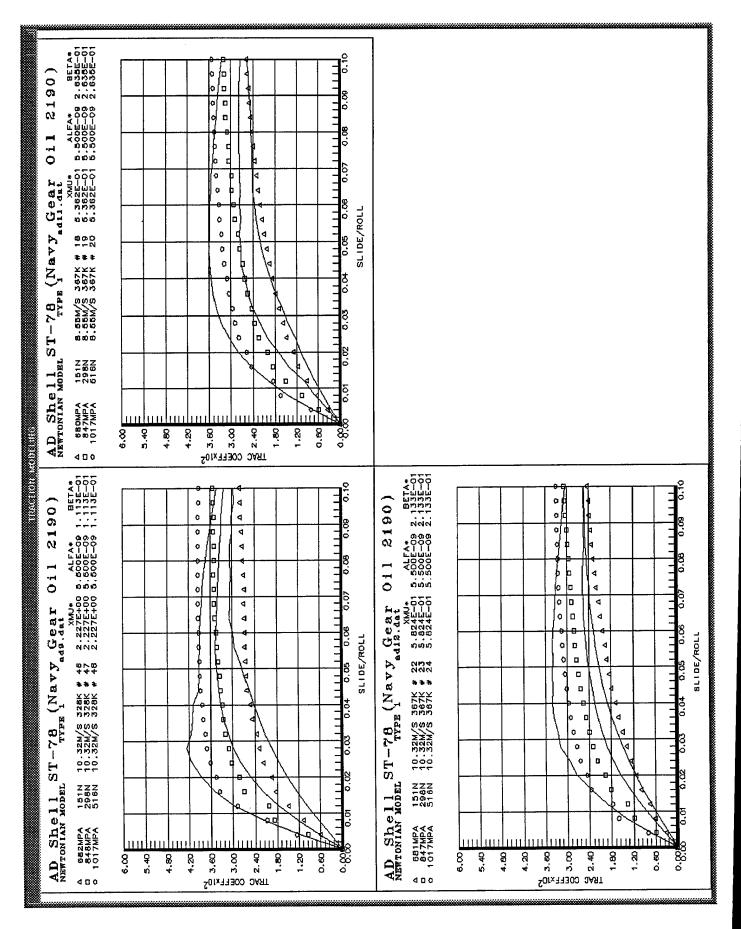


Lubricant name = AD Shell ST-78 (Navy Gear Oil 2190)

NEWTONIAN	MODEL T	YPE 1			
Dataset Name	Inlet Temp		XMU*	ALFA*	BETA*
Name	(K)	•	(Pa.S)	(1/Pa)	(1/K)
ad1.dat ad2.dat ad3.dat ad4.dat ad5.dat ad6.dat ad7.dat ad8.dat ad9.dat ad11.dat ad12.dat	2.9833E+02 2.9833E+02 2.9833E+02 3.1333E+02 3.1333E+02 3.2833E+02 3.2833E+02 3.2835E+02 3.6667E+02	8.5495E+00 1.0322E+01 6.8911E+00 8.5495E+00 1.0322E+01 6.8911E+00 8.5495E+00 1.0322E+01 8.5495E+00	6.0669E+00 4.6567E+00 3.7533E+00 4.7140E+00 3.7696E+00 3.0152E+00 2.5091E+00 2.2268E+00 5.3618E-01 5.8237E-01	5.5000E-09 5.5000E-09 5.5000E-09 5.5000E-09 5.5000E-09 5.5000E-09 5.5000E-09 5.5000E-09 5.5000E-09	8.9620E-02 7.7155E-02 6.8398E-02 1.2401E-01 1.0338E-01 8.8534E-02 1.6256E-01 1.2599E-01 1.1133E-01 2.6345E-01 2.1335E-01







5. Traction Data Set D: 89-105 Coray 100 New

BB 89-105 Coray 100 new 0.75 0.75 10.50 8.10 Data set name:

Rolling radii [Disks 1 & 2] (in): Crown radii [Disks 1 & 2] (in): 0.75 10.50

Number of data sets found = 108

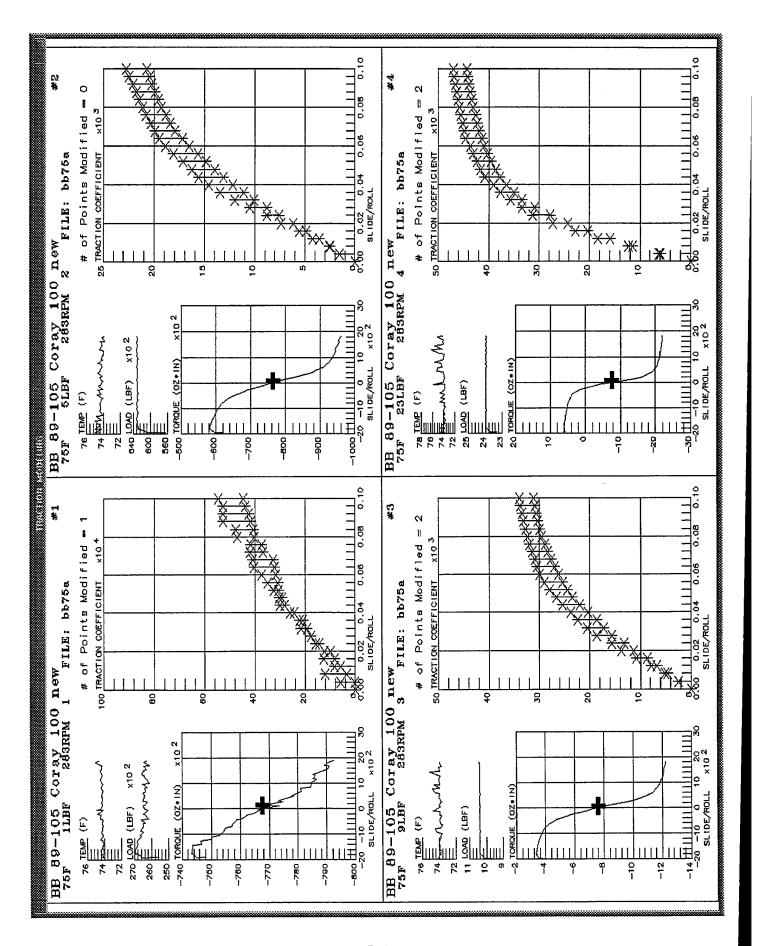
	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	C Load1	alibra Load2	tion F Rpm1	actors Rpm2	Torq	SqDev	Dataset/Test #
			arr 20	744 20	283.20	49	0.71	1.49	0.40	0.40	1.00	8.76E-06	bb75a #1
1	75.00	1.35	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	8.79E-05	bb75a #2
2	75.00	4.90	255.20	311.20 311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	2.14E-04	bb75a #3
3	75.00	9.16	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	1.79E-04	bb75a #4
4	75.00	22.65	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	3.27E-04	bb75a #5
5	75.00	43.95	255.20 255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	2.19E-03	bb75a #6
6	75.00	75.19	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	1.22E-04	bb75b #1
7	75.00	1.35	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	6.56E-06	bb75b #2
8	75.00	4.90	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	4.05E-06	bb75b #3
9	75.00	9.16	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	6.92E-06	bb75b #4
10	75.00	22.65 43.95	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	2.19E-05	bb75b #5
11	75.00		1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	2.31E-04	bb75b #6
12	75.00	75.19 1.35	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	3.10E-04	bb75c #1
13	75.00	4.90	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	3.27E-06	bb75c #2
14	75.00 75.00	9.16	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	9.20E-07	bb75c #3
15	75.00	22.65	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	1.78E-05	bb75c #4
16	75.00	43.95	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	8.72E-05	bb75c #5 bb75c #6
17 18	75.00	75.19	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	1.95E-04	bb75d #1
19	75.00	1.35	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	1.21E-03	bb75d #2
20	75.00	4.90	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	2.80E-06	bb75d #2 bb75d #3
21	75.00	9.16	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	1.83E-06 1.22E-05	bb75d #4
22	75.00	22.65	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	2.57E-06	bb75d #5
23	75.00	43.95	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00 1.00	9.76E-05	bb75d #6
24	75.00	75.19	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40 0.40	1.00	1.17E-03	bb75e #1
25	75.00	1.35	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	7.95E-06	bb75e #2
26	75.00	4.90	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	9.15E-06	bb75e #3
27	75.00	9.16	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	7.45E-06	bb75e #4
28	75.00	22.65	4584.00	5602.00	5093.00	49	0.71	1.49 1.49	0.40	0.40	1.00	2.58E-05	bb75e #5
29	75.00	43.95	4584.00	5602.00	5093.00	49	0.71 0.71	1.49	0.40	0.40	1.00	1.27E-04	bb75e #6
30	75.00	75.19	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	3.79E-05	bb100a #1
31	100.00	1.35	255.20	311.20	283.20	49 49	0.71	1.49	0.40	0.40	1.00	6.48E-05	bb100a #2
32	100.00	4.90	255.20	311.20	283.20 283.20	49	0.71	1.49	0.40	0.40	1.00	1.16E-04	bb100a #3
33	100.00	9.16	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	2.52E-04	bb100a #4
34	100.00	22.65	255.20	311.20 311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	5.10E-04	bb100a #5
35	100.00	43.95	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	1.64E-03	bb100a #6
36	100.00	75.19	255.20	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	1.07E-04	bb100b #1
37	100.00	1.35	1146.00 1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	3.85E-06	bb100b #2
38	100.00	4.90	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	1.39E-05	bb100b #3
39	100.00	9.16 22.65	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	2.12E-05	bb100b #4
40	100.00	43.95	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	4.68E-05	bb100b #5
41	100.00	75.19	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	2.26E-04	bb100b #6
42	100.00	1.35	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	9.16E-05	bb100c #1
43	100.00	4.90	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	1.83E-06	bb100c #2
44	100.00	9.16	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	7.02E-07	bb100c #3
45	100.00 100.00	22.65	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	5.12E-06	bb100c #4
46	100.00	43.95	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	3.47E-05	bb100c #5 bb100c #6
47	100.00	75.19	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	2.42E-04	
48	100.00	1.35	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	3.27E-04	bb100d #1 bb100d #2
49 50	100.00	4.90	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	8.49E-06	PD1000 #5
50	100.00	4.70											

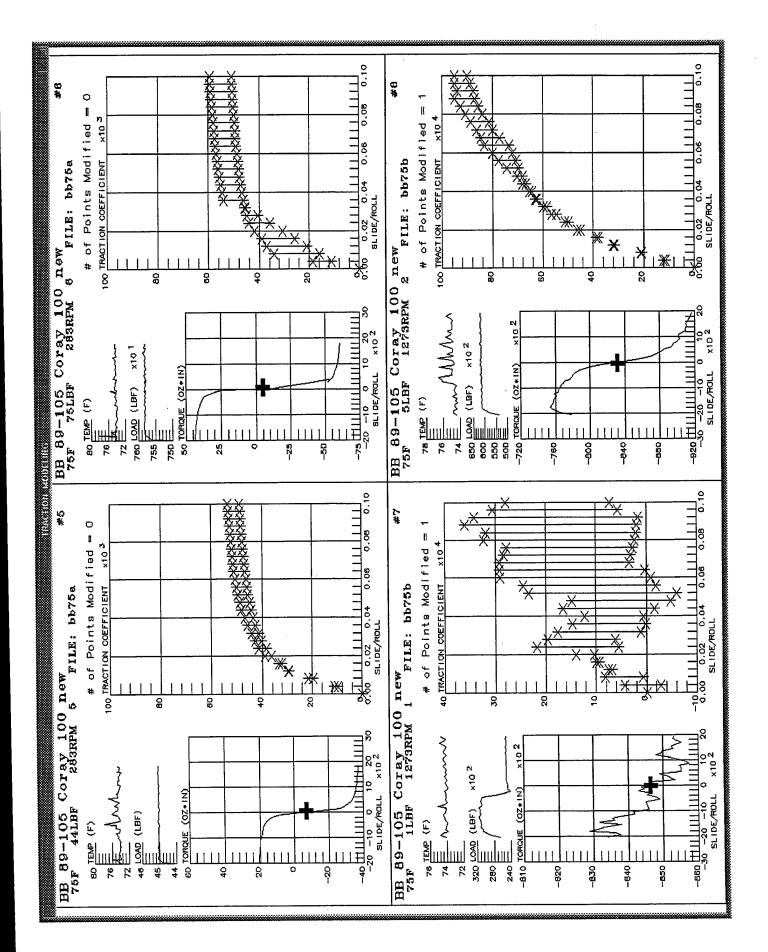
Data set: BB 89-105 Coray 100 newcontinued

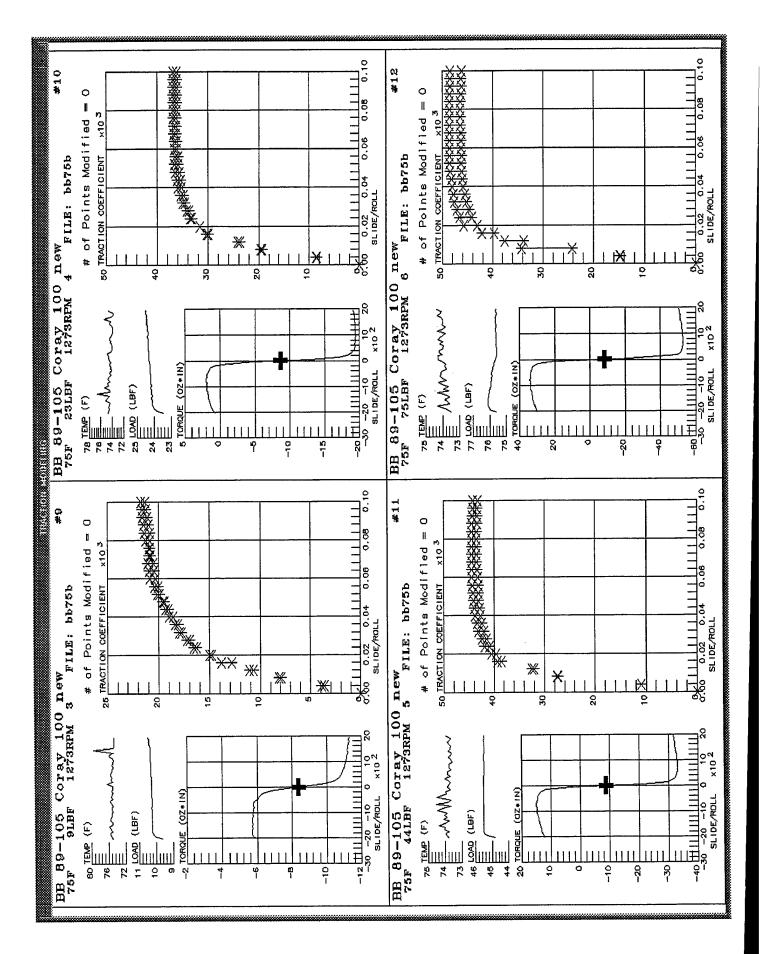
	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts		al ibra Load2			Torq	SqDev	Dataset/Test #
51	100.00	9.16	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	1.55E-05	bb100d #3
52	100.00	22.65	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	4.54E-06	bb100d #4
53	100.00	43.95	3438.00	4202.00 4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	6.44E-06	bb100d #5
54	100.00	75.19 1.35	3438.00	5602.00	3820.00 5093.00	49	0.71 0.71	1.49 1.49	0.40	0.40 0.40	1.00 1.00	1.12E-04 4.30E-04	bb100d #6 bb100e #1
55 56	100.00 100.00	4.90	4584.00 4584.00	5602.00	5093.00	49 49	0.71	1.49	0.40 0.40	0.40	1.00	1.72E-05	bb100e #1 bb100e #2
57	100.00	9.16	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	3.54E-05	bb100e #2 bb100e #3
58	100.00	22.65	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	1.14E-05	bb100e #4
59	100.00	43.95	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	6.01E-05	bb100e #5
60	100.00	75.19	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	1.59E-04	bb100e #6
61	120.00	1.35	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	2.19E-05	bb120b #1
62	120.00	4.90	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	6.15E-06	bb120b #2
63	120.00	9.16	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	1.05E-05	bb120b #3
64	120.00	22.65	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	5.61E-05	bb120b #4
65	120.00	43.95	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	6.14E-05	bb120b #5
66	120.00	75.19	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	2.11E-04	bb120b #6
67	120.00	1.35	2291.20	2800.00	2545.60	49	0.71 0.71	1.49	0.40	0.40	1.00 1.00	2.05E-05 7.58E-06	bb120c #1 bb120c #2
68	120.00	4.90 9.16	2291.20 2291.20	2800.00 2800.00	2545.60 2545.60	49 49	0.71	1.49 1.49	0.40 0.40	0.40 0.40	1.00	3.64E-06	bb120c #2 bb120c #3
69 70	120.00 120.00	22.65	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	5.21E-06	bb120c #4
71	120.00	43.95	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	1.32E-04	bb120c #5
72	120.00	75.19	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	1.52E-04	bb120c #6
73	120.00	1.35	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	5.16E-04	bb120d #1
74	120.00	4.90	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	7.41E-06	bb120d #2
75	120.00	9.16	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	3.83E-06	bb120d #3
76	120.00	22.65	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	3.98E-06	bb120d #4
77	120.00	43.95	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	3.02E-06	bb120d #5
78	120.00	75.19	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	1.17E-04	bb120d #6
79	120.00	1.35	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	3.29E-05	bb120e #1
80	120.00	4.90	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	2.84E-05 1.36E-05	bb120e #2 bb120e #3
81 82	120.00 120.00	9.16 22.65	4584.00 4584.00	5602.00 5602.00	5093.00 5093.00	49 49	0.71 0.71	1.49 1.49	0.40 0.40	0.40 0.40	1.00 1.00	1.07E-05	bb120e #3 bb120e #4
83	120.00	43.95	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	3.93E-05	bb120e #5
84	120.00	75.19	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	6.64E-05	bb120e #6
85	180.00	1.35	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	1.75E-05	bb180b #1
86	180.00	4.90	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	1.04E-05	bb180b #2
87	180.00	9.16	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	8.01E-06	bb180b #3
88	180.00	22.65	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	2.64E-05	bb180b #4
89	180.00	43.95	1146.00	1400.00	1273.00	49		1.49	0.40	0.40	1.00	3.73E-05	bb180b #5
90	180.00	75.19	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	1.24E-04	bb180b #6
91	180.00	1.35	2291.20	2800.00 2800.00	2545.60 2545.60	49 49	0.71 0.71	1.49 1.49	0.40 0.40	0.40 0.40	1.00 1.00	4.99E-05 9.14E-06	bb180c #1 bb180c #2
92 93	180.00 180.00	4.90 9.16	2291.20 2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	1.59E-06	bb180c #3
94	180.00	22.65	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	2.36E-05	bb180c #4
95	180.00	43.95	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	6.55E-05	bb180c #5
96	180.00	75.19	2291.20	2800.00	2545.60	49		1.49	0.40	0.40	1.00	6.44E-05	bb180c #6
97	180.00	1.35	3438.00	4202.00	3820.00	49		1.49	0.40	0.40	1.00	2.96E-04	bb180d #1
98	180.00	4.90	3438.00	4202.00	3820.00		0.71		0.40	0.40		6.38E-06	bb180d #2
99	180.00	9.16	3438.00	4202.00							1.00		bb180d #3
100	180.00	22.65	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	7.64E-06	bb180d #4
101	180.00	43.95	3438.00	4202.00	3820.00	49		1.49	0.40	0.40	1.00	3.05E-06	bb180d #5
102	180.00	75.19	3438.00	4202.00	3820.00	49 40	0.71	1.49	0.40	0.40	1.00	5.99E-05 3.40E-04	bb180d #6 bb180e #1
103	180.00	1.35 4.90	4584.00 4584.00	5602.00 5602.00	5093.00 5093.00	49 49	0.71 0.71	1.49 1.49	0.40	0.40	1.00 1.00	5.98E-05	bb180e #1
104 105	180.00 180.00	9.16	4584.00	5602.00	5093.00	49		1.49	0.40	0.40	1.00	2.26E-05	bb180e #2
106	180.00	22.65	4584.00	5602.00	5093.00	49		1.49	0.40	0.40	1.00	7.17E-06	bb180e #4
107	180.00	43.95	4584.00	5602.00	5093.00	49		1.49	0.40	0.40	1.00	3.46E-05	bb180e #5
108	180.00	75.19	4584.00	5602.00	5093.00	49		1.49		0.40	1.00	1.39E-04	bb180e #6

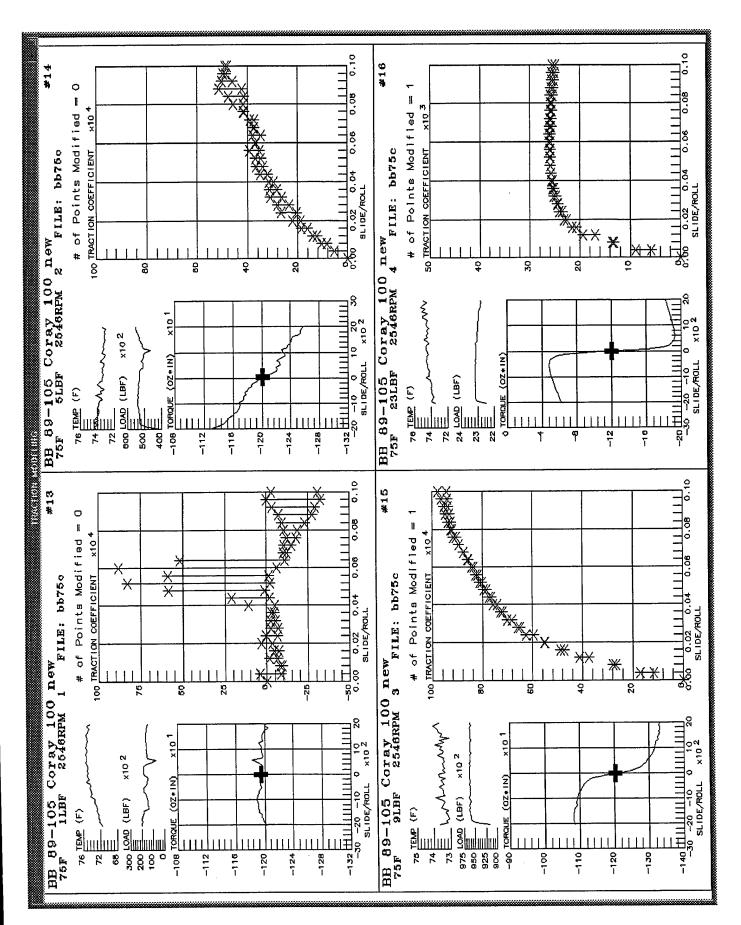
Summary of Select Data Files

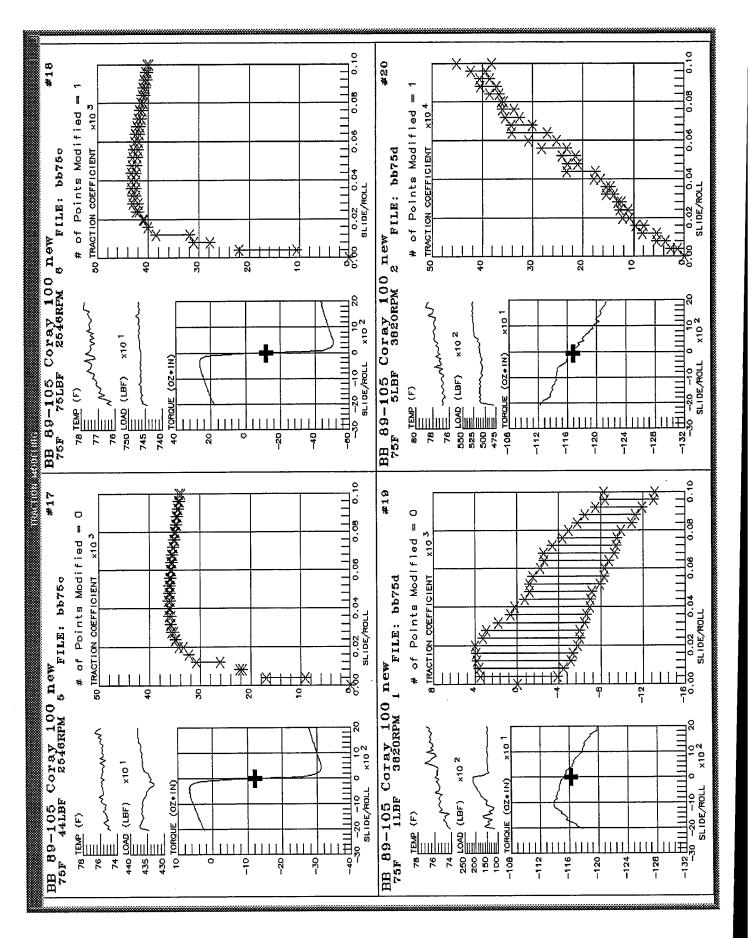
Filename	Temp	RollRpm	Dat	aCur	ve #	
bb1.dat	75.00	2546.00	16	17	18	
bb2.dat	75.00	3820.00	22	23	24	
bb3.dat	75.00	5093.00	28	29	30	
bb4.dat	100.00	2546.00	46	47	48	
bb5.dat	100.00	3820.00	52	53	54	
bb6.dat	100.00	5093.00	58	59	60	
bb7.dat	120.00	2546.00	70	71	72	
bb8.dat	120.00	3820.00	76	77	78	
bb9.dat	120.00	5093.00	82	83	84	
bb10.dat	180.00	2546.00	94	95	96	
bb11.dat	180.00	3820.00	100	101	102	
bb12 dat	180 00	5093.00	106	107	108	

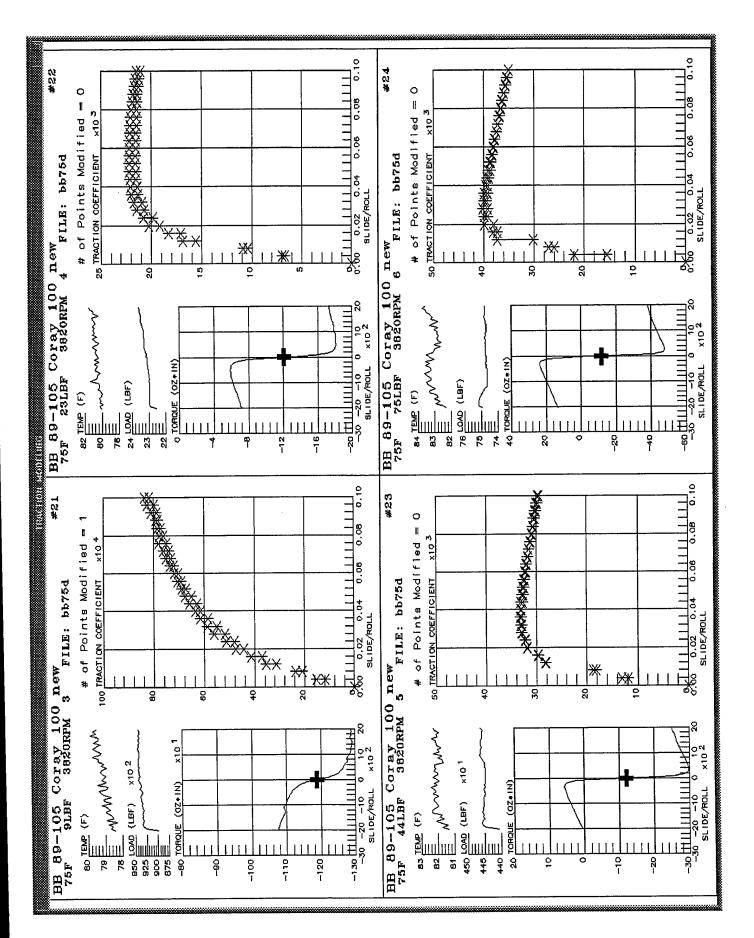


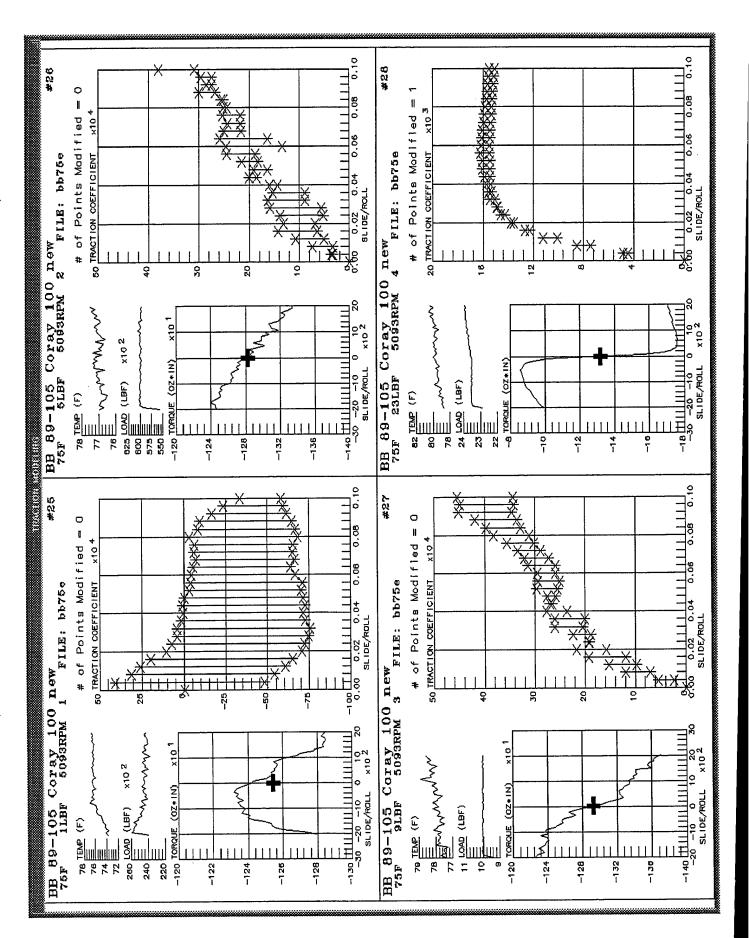


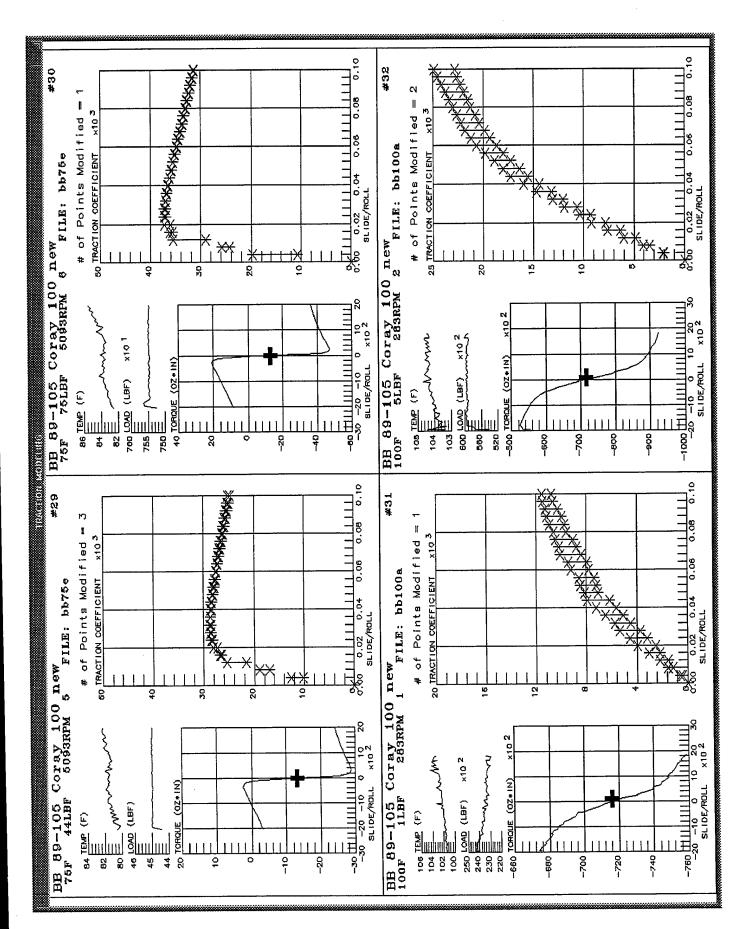


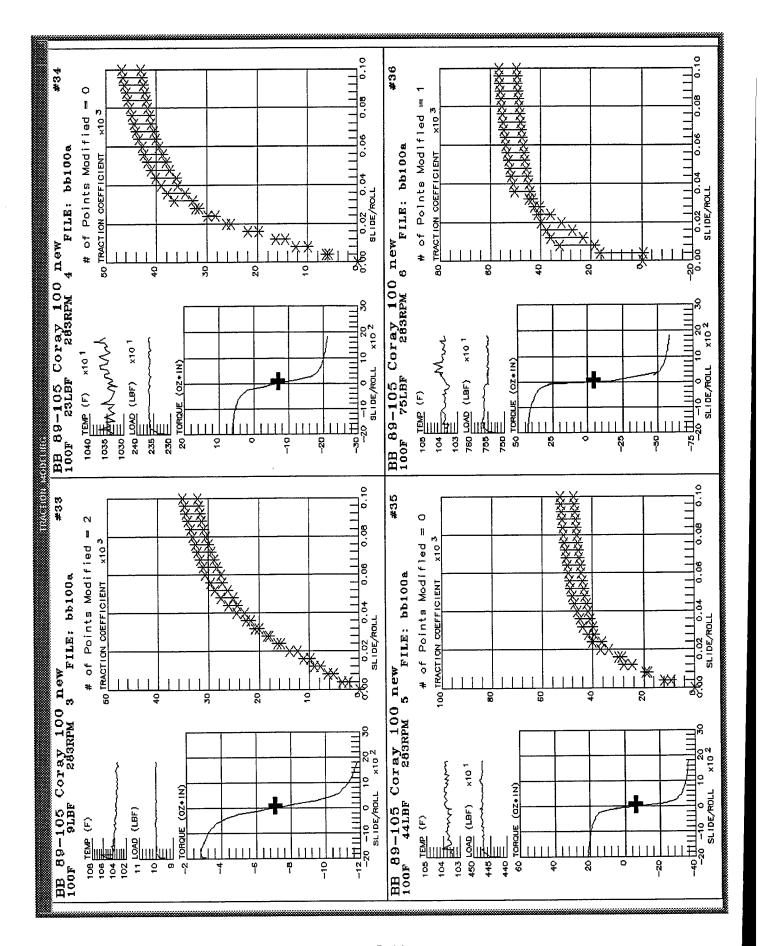


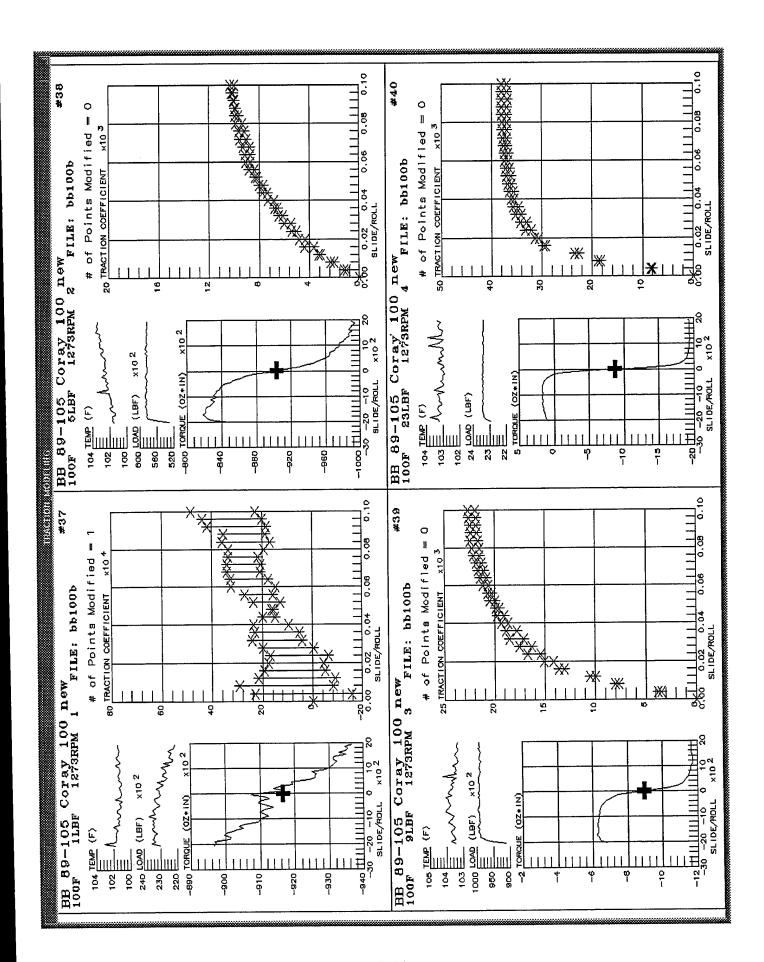


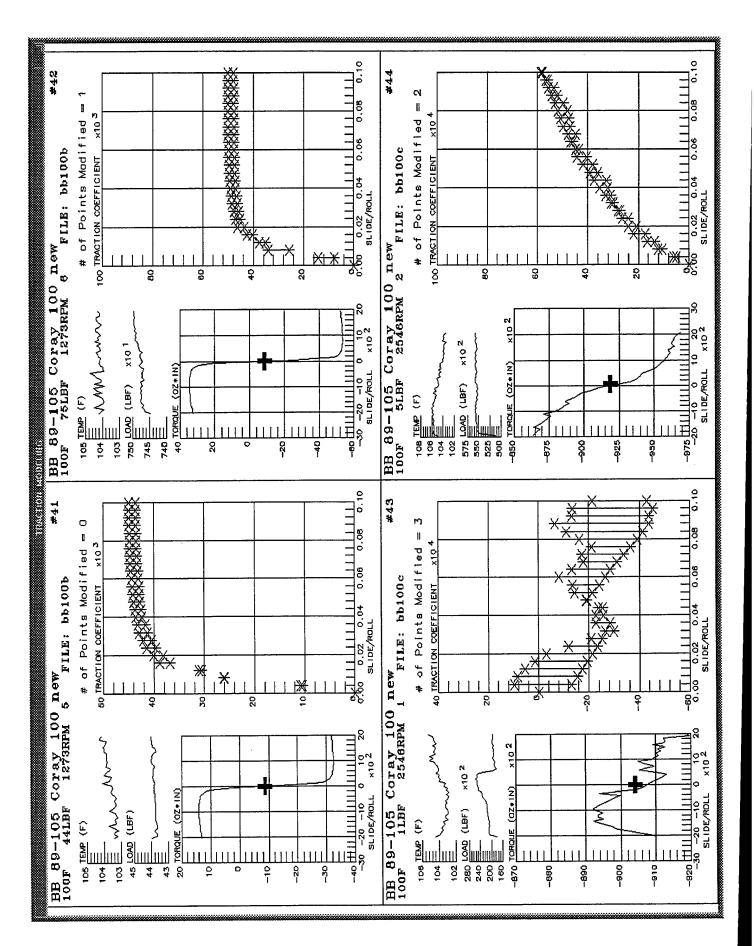


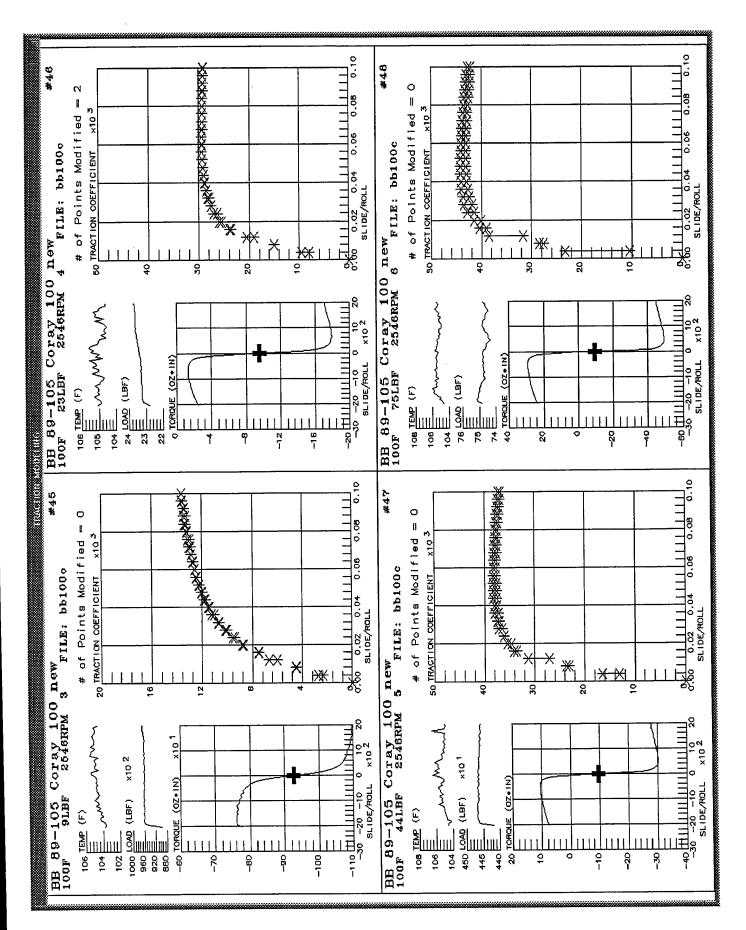


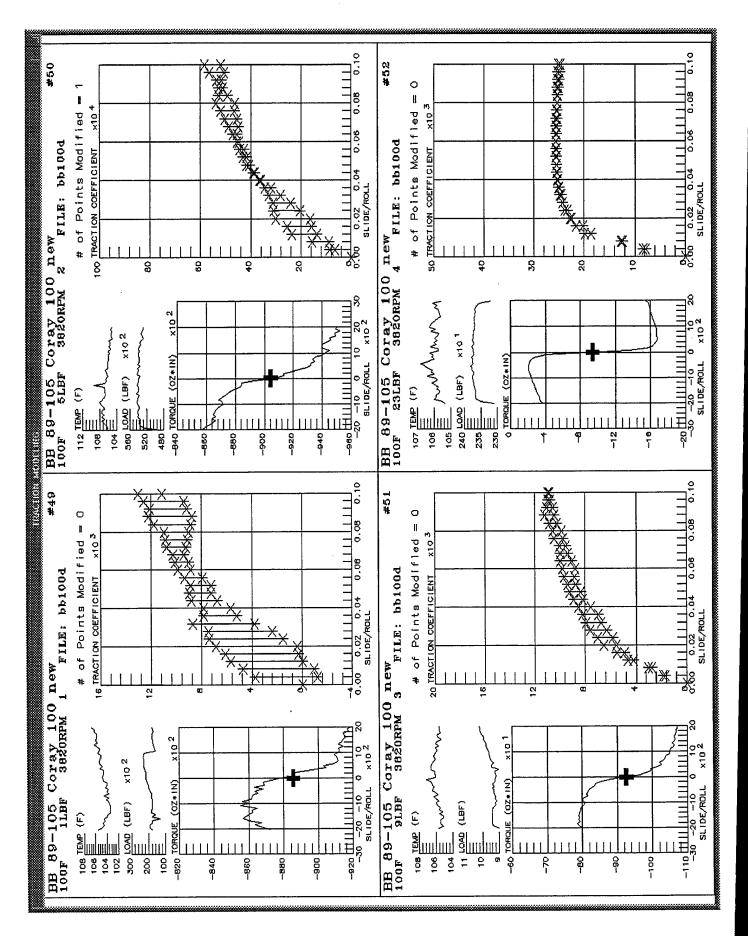


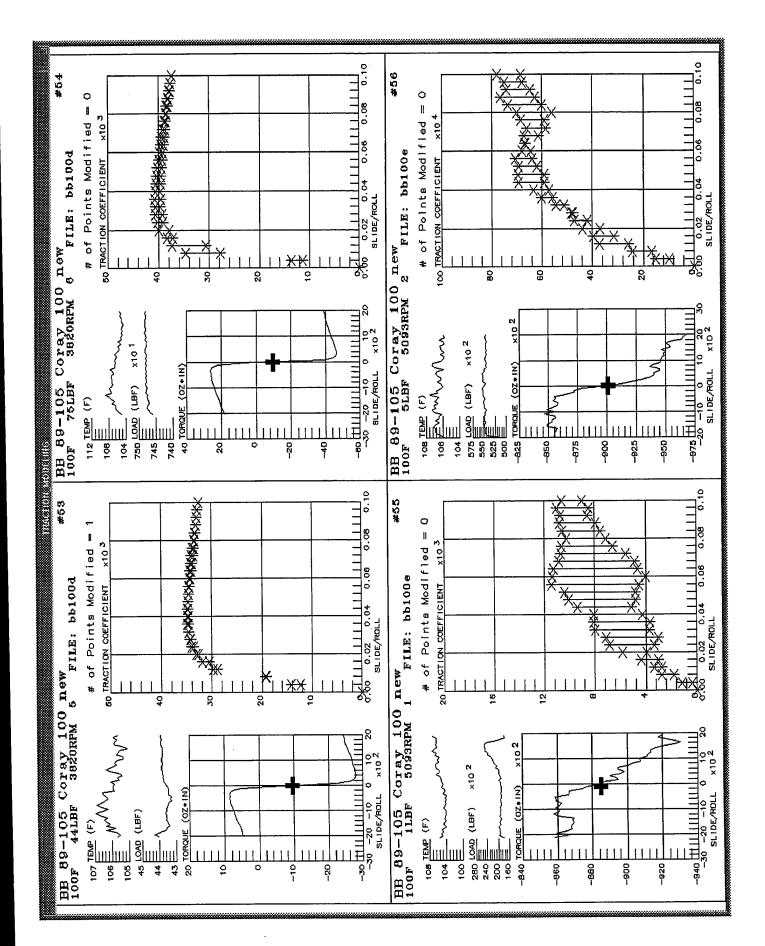


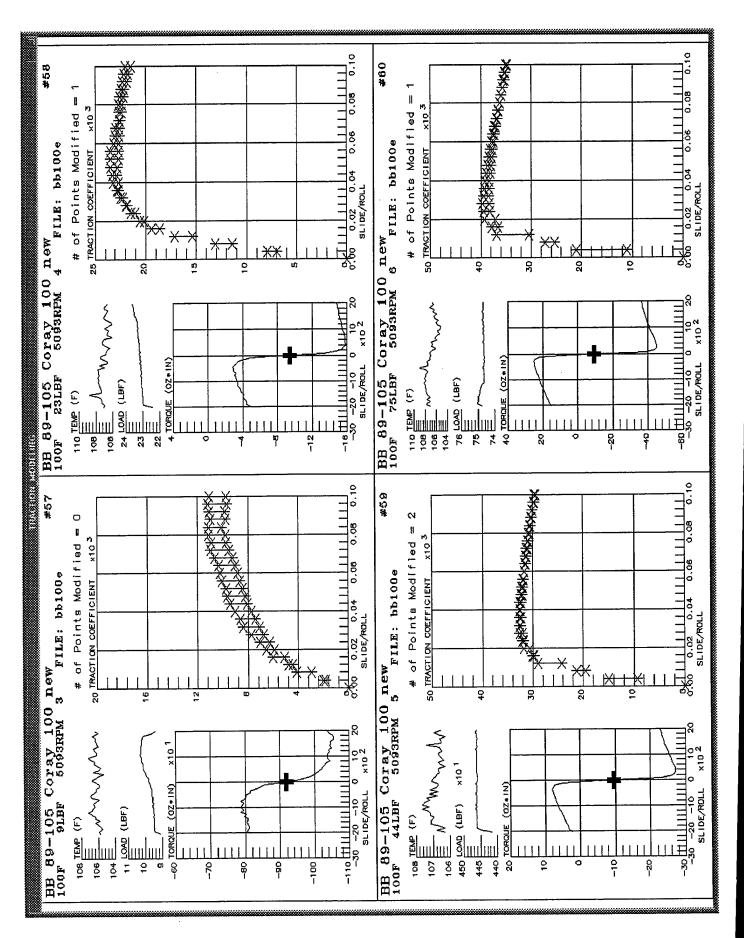


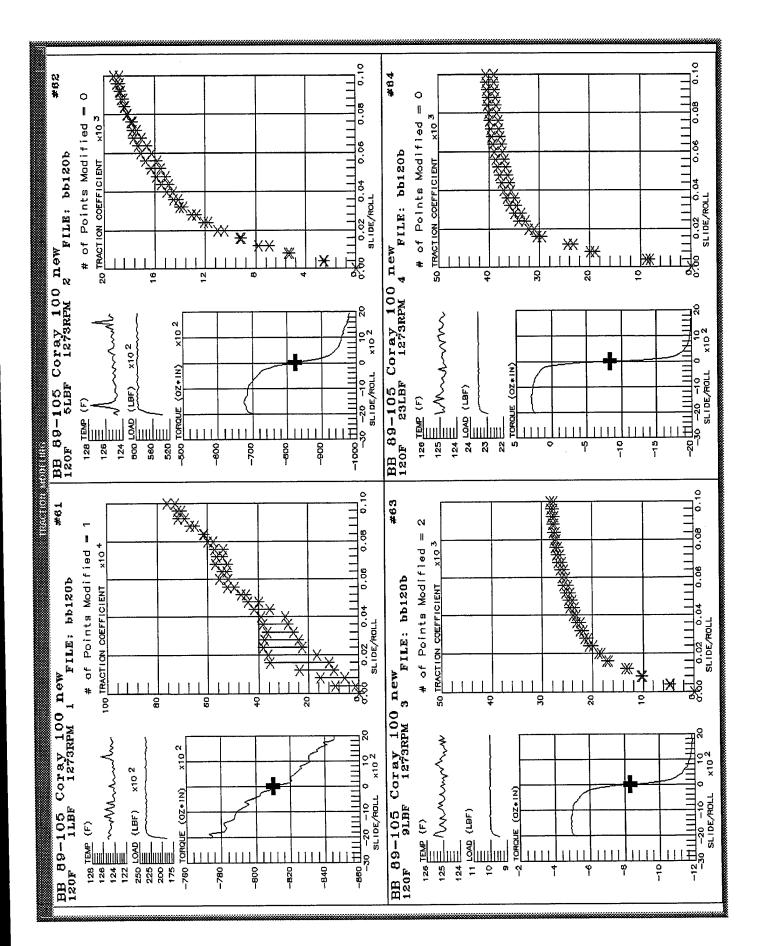


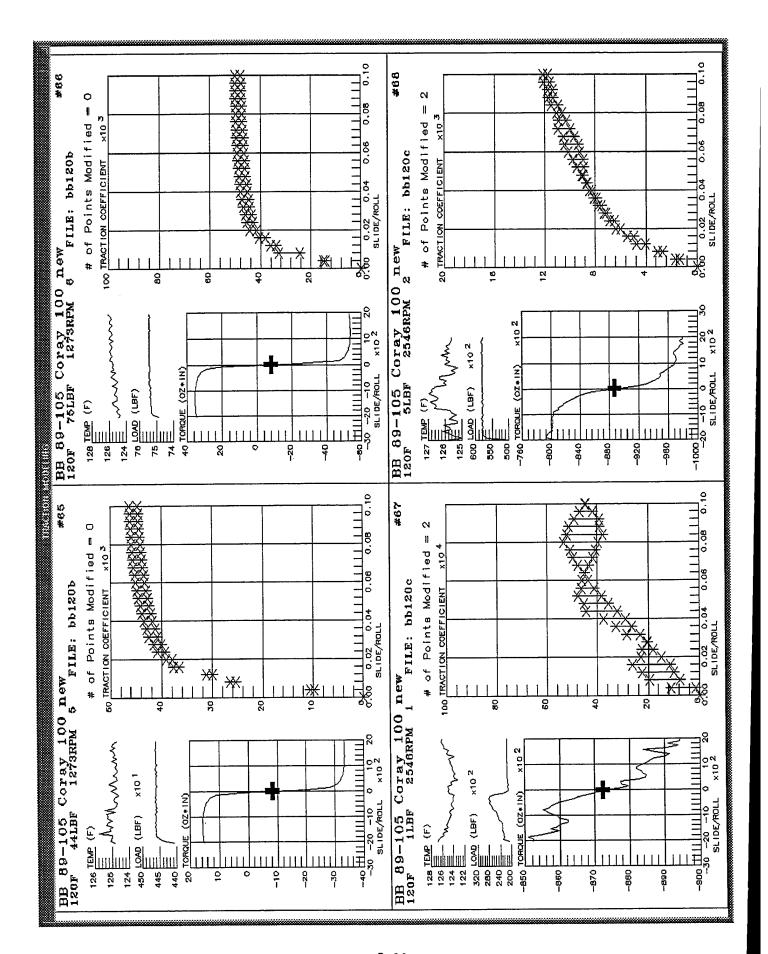


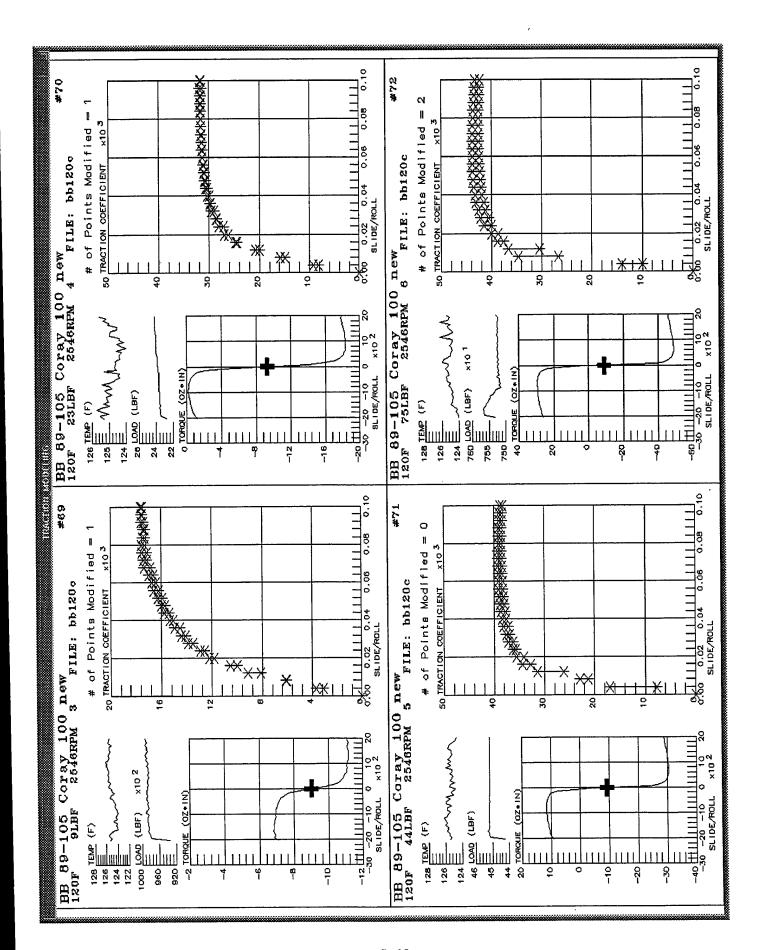


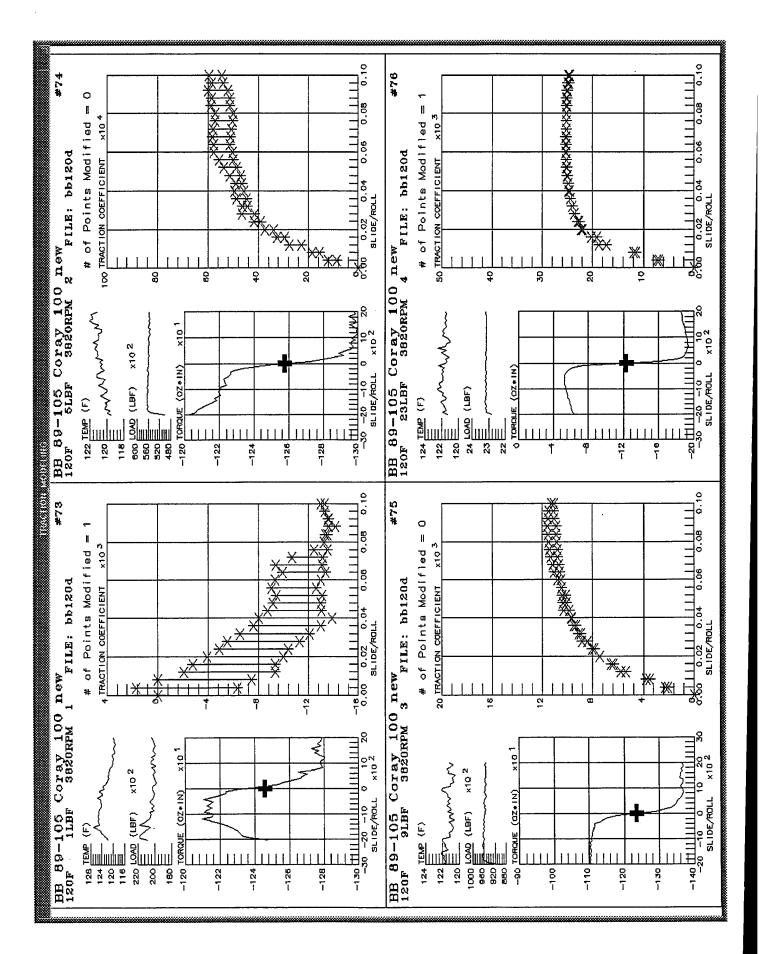


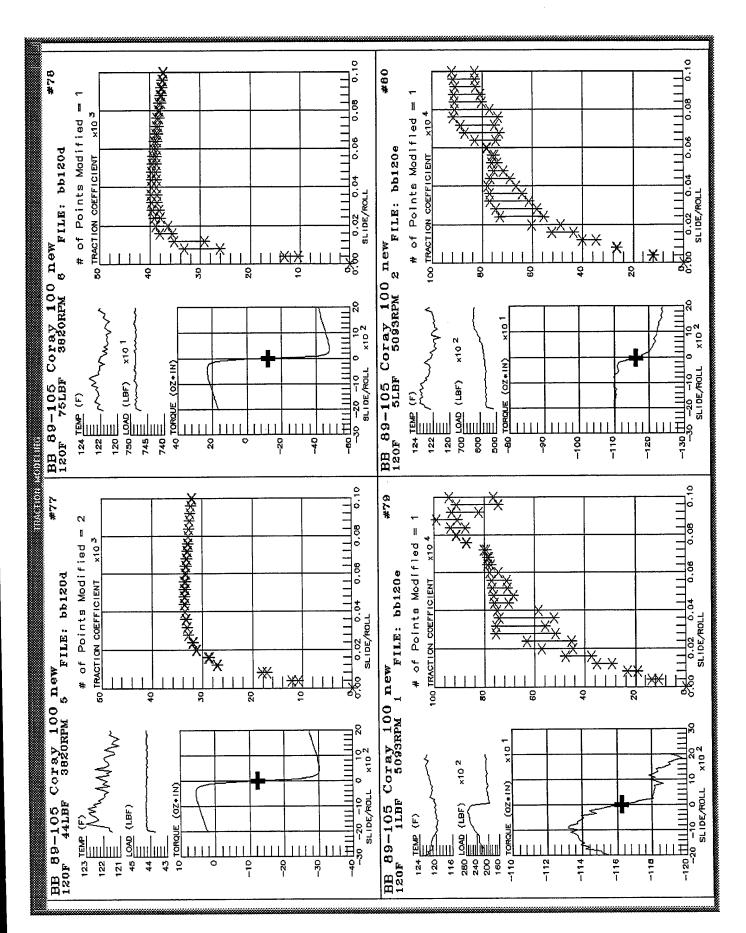


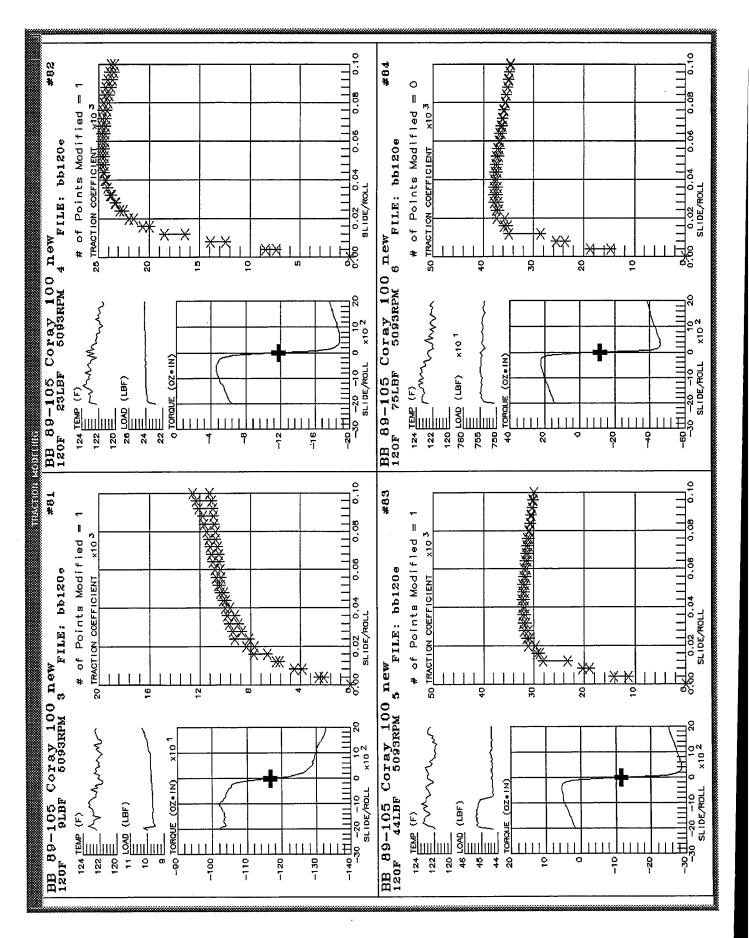


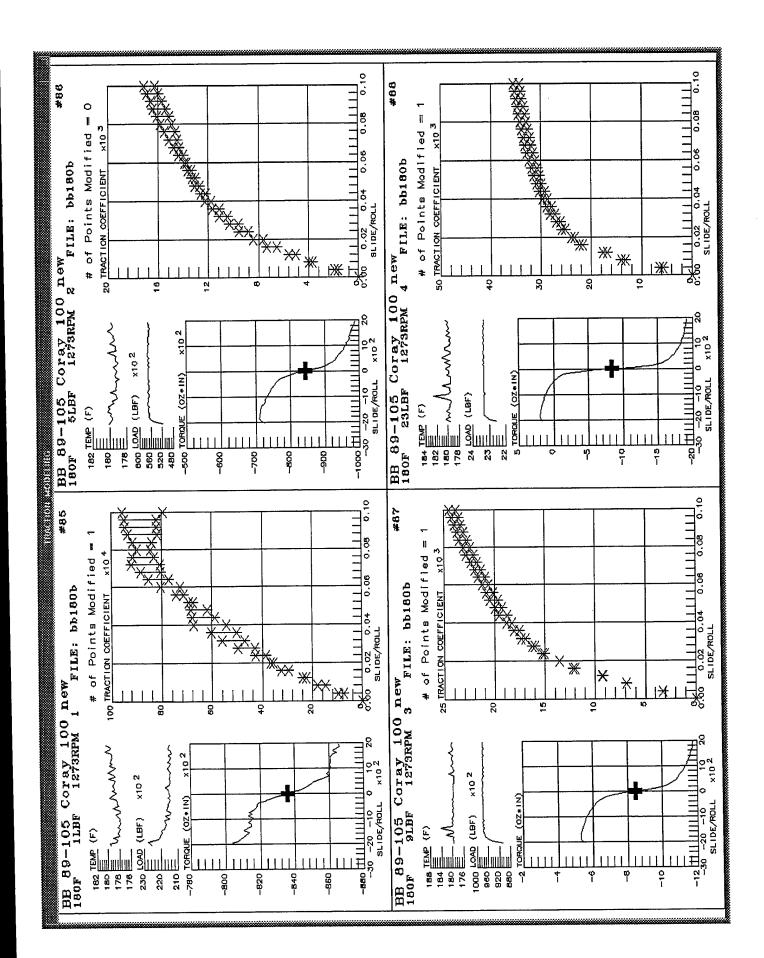


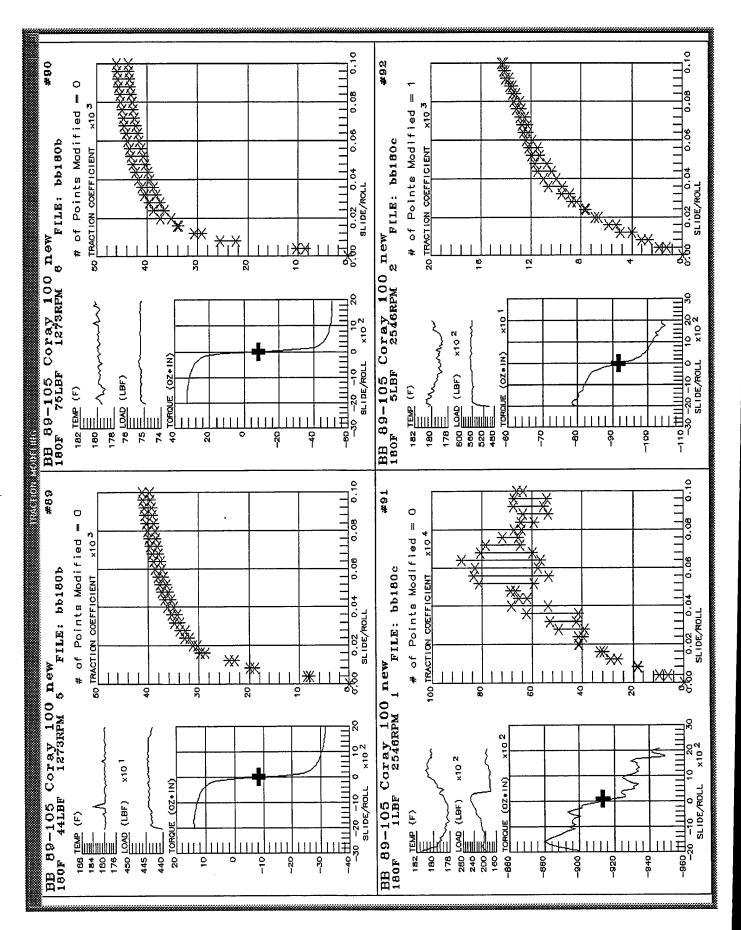


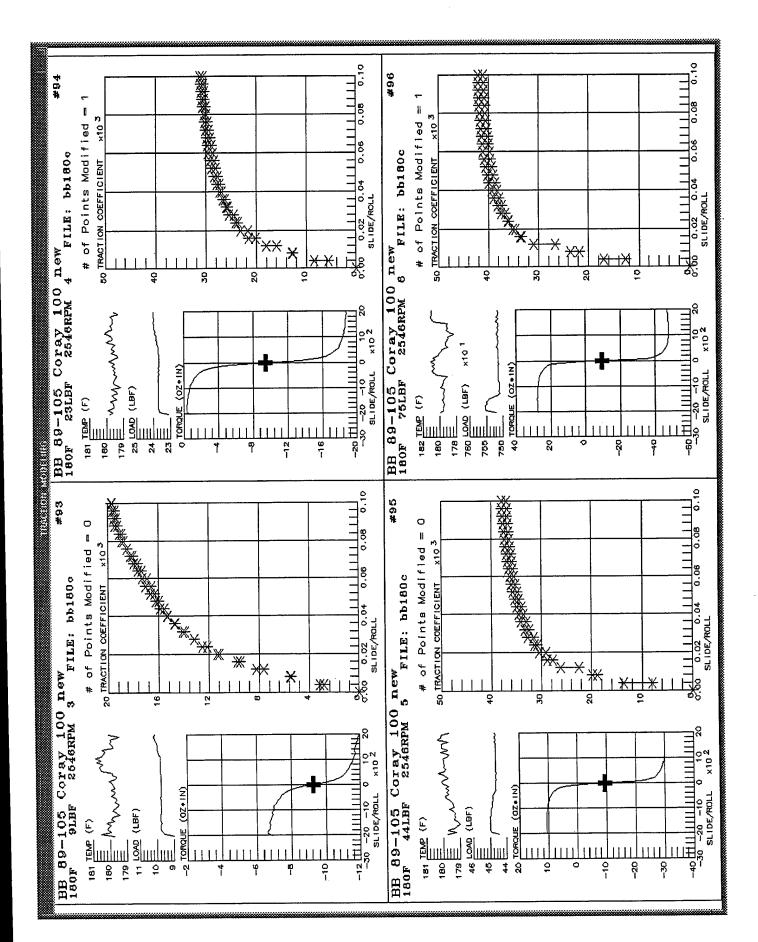


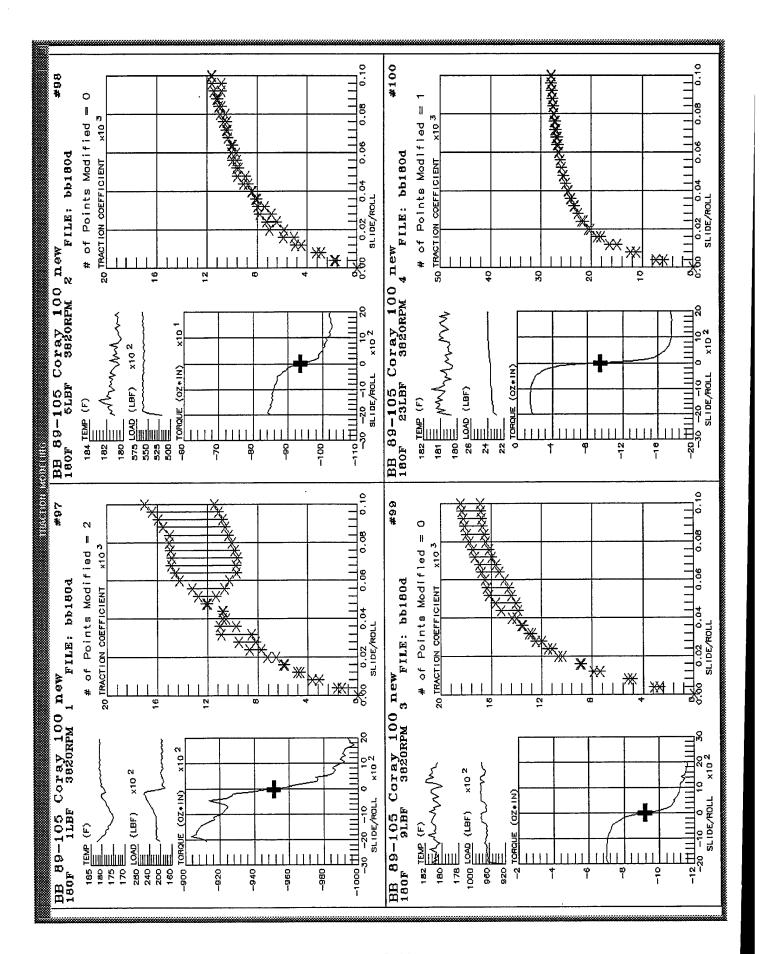


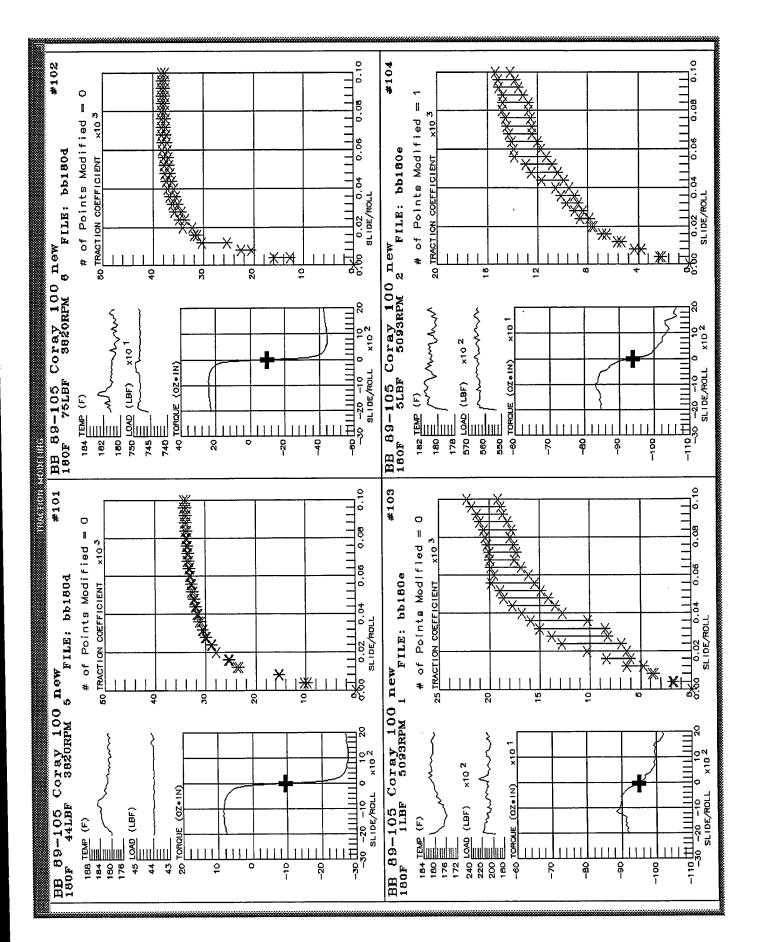


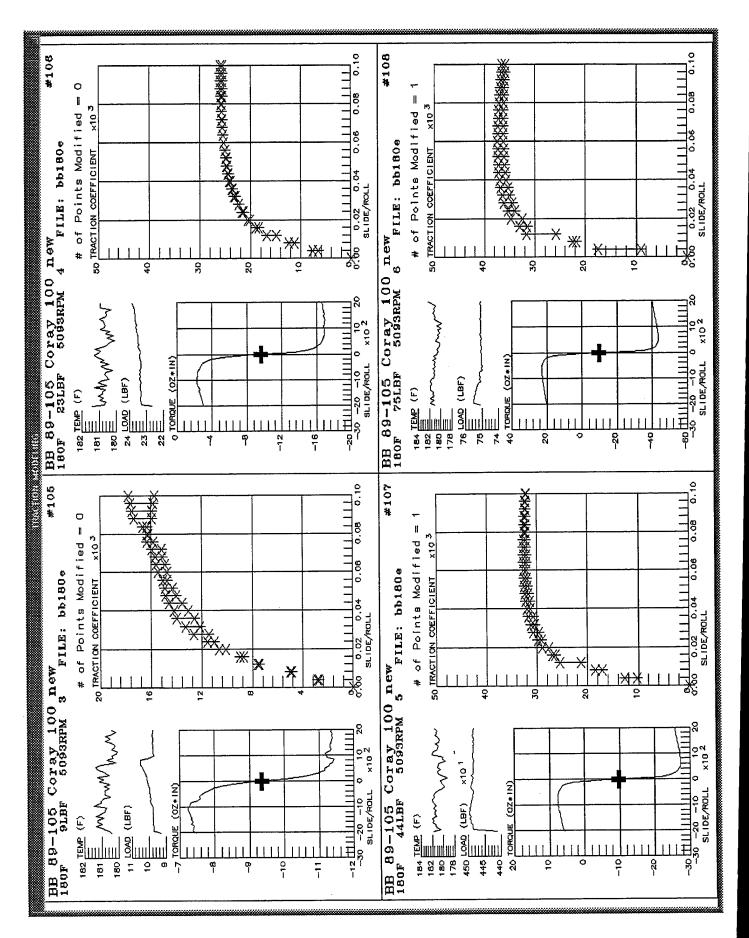






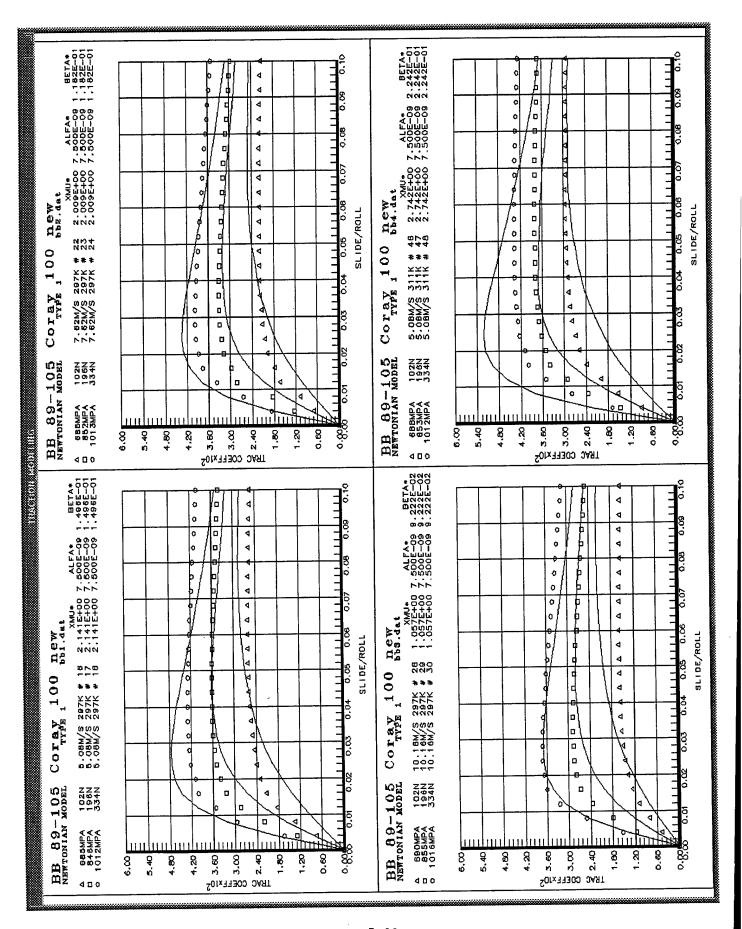


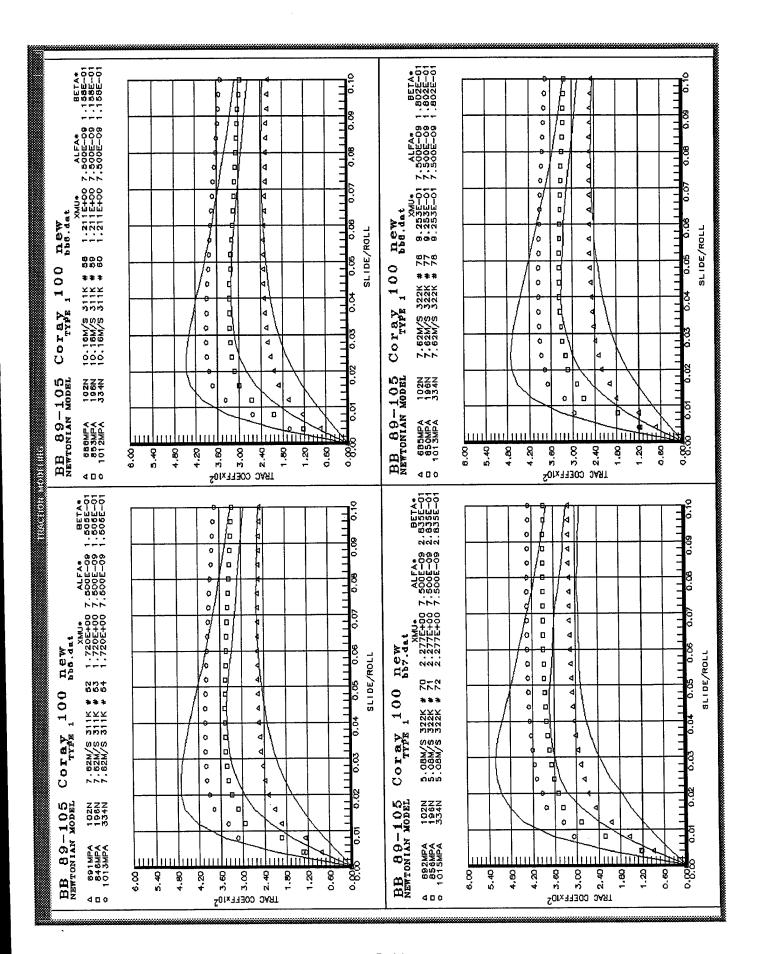


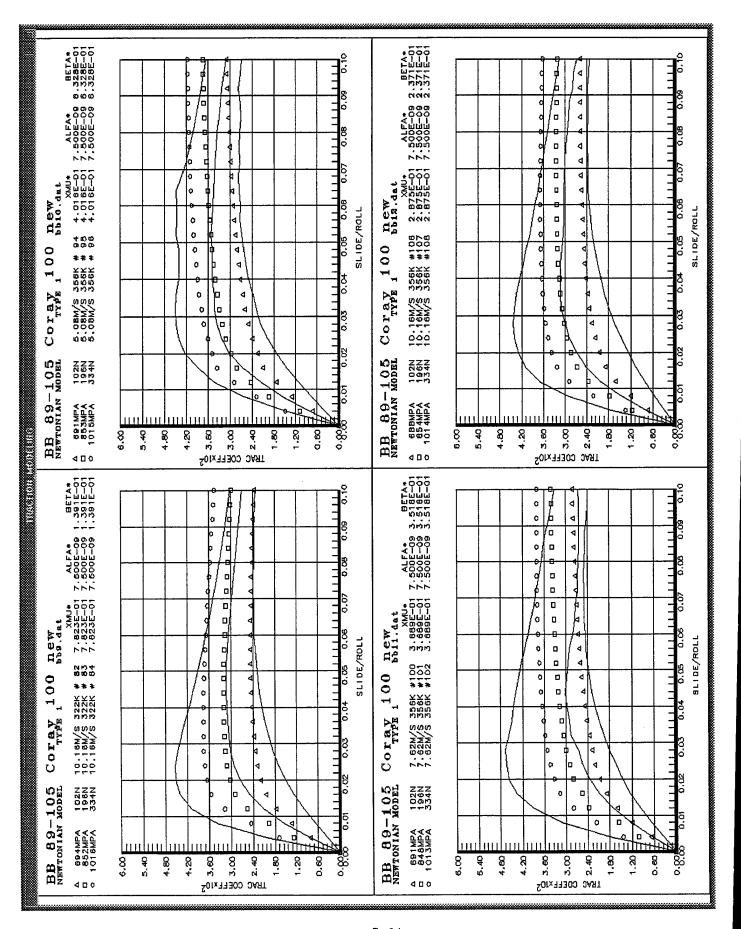


Lubricant name = BB 89-105 Coray 100 new

NEWTONIAN	MODEL	TYPE	1			
Dataset	In	let	Roll	XMU*	ALFA*	BETA*
Name	Te	emp	Velocity			
	((K)	(M/S)	(Pa.S)	(1/Pa)	(1/K)
bb1.dat	2.9722E-	F02 5	.0790E+00	2.1413E+00	7.5000E-09	1.4956E-01
bb2.dat	2.9722E-	102 7	.6206E+00	2.0089E+00	7.5000E-09	1.1819E-01
bb3.dat	2.9722E+	+02 1.	.0160E+01	1.0572E+00	7.5000E-09	9.2225E-02
bb4.dat	3.1111E	F02 5.	.0790E+00	2.7423E+00	7.5000E-09	2.2425E-01
bb5.dat	3.1111E	HO2 7.	.6206E+00	1.7197E+00	7.5000E-09	1.5052E-01
bb6.dat	3.1111E	HO2 1.	.0160E+01	1.2113E+00	7.5000E-09	1.1576E-01
bb7.dat	3.2222E+	HO2 5.	.0790E+00	2.2774E+00	7.5000E-09	2.8345E-01
bb8.dat	3.2222E+	HO2 7.	.6206E+00	9.2528E-01	7.5000E-09	1.8020E-01
bb9.dat	3.2222E+	HO2 1.	.0160E+01	7.8230E-01	7.5000E-09	1.3905E-01
bb10.dat	3.5556E+	HO2 5.	.0790E+00	4.0157E-01	7.5000E-09	6.3284E-01
bb11.dat	3.5556E+	F02 7.	.6206E+00	3.6886E-01	7.5000E-09	3.5178E-01
bb12.dat	3.5556E+	HO2 1.	.0160E+01	2.8754E-01	7.5000E-09	2-3705E-01







6. Traction Data Set E: 89-105 Coray 100 Used

BC 89-126 Coray 100 used 0.75 0.75 9.50 9.90

Data set name: Rolling radii [Disks 1 & 2] (in): Crown radii [Disks 1 & 2] (in):

Number of data sets found = 108

	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	C Load1	alibra Load2	tion F Rpm1	actors Rpm2	Torq	SqDev	Dataset/Test #
	7 E 00	1.35	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	6.56E-05	bc75a #1
1	75.00	4.90	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	2.81E-05	bc75a #2
2	75.00	9.16	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	3.16E-04	bc75a #3
3	75.00	22.65	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	4.48E-04	bc75a #4
4	75.00	43.95	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	6.86E-04	bc75a #5
5	75.00	75.19	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	1.84E-03	bc75a #6
6	75.00	1.35	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	1.25E-05	bc75b #1
7	75.00	4.90	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	2.70E-06	bc75b #2
8	75.00 75.00	9.16	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	6.53E-06	bc75b #3
9	75.00 75.00	22.65	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	1.10E-05	bc75b #4
10	75.00 75.00	43.95	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	2.39E-05	bc75b #5
11	75.00	75.19	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	2.21E-04	bc75b #6
12	75.00	1.35	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	3.91E-04	bc75c #1
13	75.00	4.90	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	5.72E-04	bc75c #2
14 15	75.00	9.16	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	7.95E-06	bc75c #3
	75.00	22.65	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	4.83E-06	bc75c #4 bc75c #5
16 17	75.00	43.95	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	9.11E-05	
18	75.00	75.19	2291.20	2800.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	2.19E-04	bc75c #6 bc75d #1
19	75.00	1.35	3438.00	4202.00	3820.00	49	6.71	1.49	0.40	0.40	1.00	1.26E-03	bc75d #1
20	75.00	4.90	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	2.47E-04	bc75d #2 bc75d #3
21	75.00	9.16	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	2.35E-06 1.12E-05	bc75d #4
22	75.00	22.65	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	1.12E-05	bc75d #5
23	75.00	43.95	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	8.03E-05	bc75d #6
24	75.00	75.19	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00 1.00	7.84E-03	bc75e #1
25	75.00	1.35	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	3.11E-06	bc75e #2
26	75.00	4.90	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40 0.40	1.00	1.64E-02	bc75e #3
27	75.00	9.16	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	8.74E-05	bc75e #4
28	75.00	22.65	4584.00	5602.00	5093.00	49	0.71	1.49 1.49	0.40	0.40	1.00	2.69E-05	bc75e #5
29	75.00	43.95	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	1.24E-04	bc75e #6
30	75.00	75.19	4584.00	5602.00	5093.00	49	0.71	1.49	0.40	0.40	1.00	3.49E-04	bc100a #1
31	100.00	1.35	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	8.87E-05	bc100a #2
32	100.00	4.90	255.20	311.20	283.20	49	0.71 0.71	1.49	0.40	0.40	1.00	4.37E-04	bc100a #3
33	100.00	9.16	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	2.90E-04	bc100a #4
34	100.00	22.65	255.20	311.20	283.20	49	0.71	1.49	0.40	0.40	1.00	6.92E-04	bc100a #5
35	100.00	43.95	255.20	311.20	283.20	49 49	0.71	1.49	0.40	0.40	1.00	1.99E-03	bc100a #6
36	100.00	75.19	255.20	311.20	283.20 1273.00	49	0.71	1.49	0.40	0.40	1.00	3.93E-05	bc100b #1
37	100.00	1.35	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	2.02E-05	bc100b #2
38	100.00	4.90	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	1.94E-05	bc100b #3
39	100.00	9.16	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	1.50E-05	bc100b #4
40	100.00	22.65	1146.00	1400.00	1273.00	49	0.71	1.49	0.40	0.40	1.00	2.86E-05	bc100b #5
41	100.00	43.95	1146.00	1400.00	1273.00	49		1.49	0.40	0.40	1.00	1.67E-04	bc100b #6
42	100.00	75.19	1146.00	1400.00	2545.60	49	0.71	1.49	0.40	0.40	1.00	1.60E-05	bc100c #1
43	100.00	1.35	2291.20	2800.00		49	0.71	1.49	0.40	0.40	1.00	1.43E-06	bc100c #2
44	100.00	4.90	2291.20	2800.00	2545.60 2545.60	49		1.49	0.40	0.40	1.00	7.94E-06	bc100c #3
45	100.00	9.16	2291.20	2800.00		49		1.49	0.40	0.40	1.00	6.03E-06	bc100c #4
46	100.00	22.65	2291.20	2800.00	2545.60	49		1.49	0.40	0.40	1.00	4.41E-05	bc100c #5
47	100.00	43.95	2291.20	2800.00	2545.60	49		1.49	0.40	0.40	1.00	2.00E-04	bc100c #6
48	100.00	75.19	2291.20	2800.00	2545.60 3820.00	49		1.49	0.40	0.40	1.00	4.07E-04	bc100d #1
49	100.00	1.35	3438.00	4202.00	3820.00	49		1.49	0.40		1.00	5.31E-04	bc100d #2
50	100.00	4.90	3438.00	4202.00	3020.00	47	0.71	1.47			*		

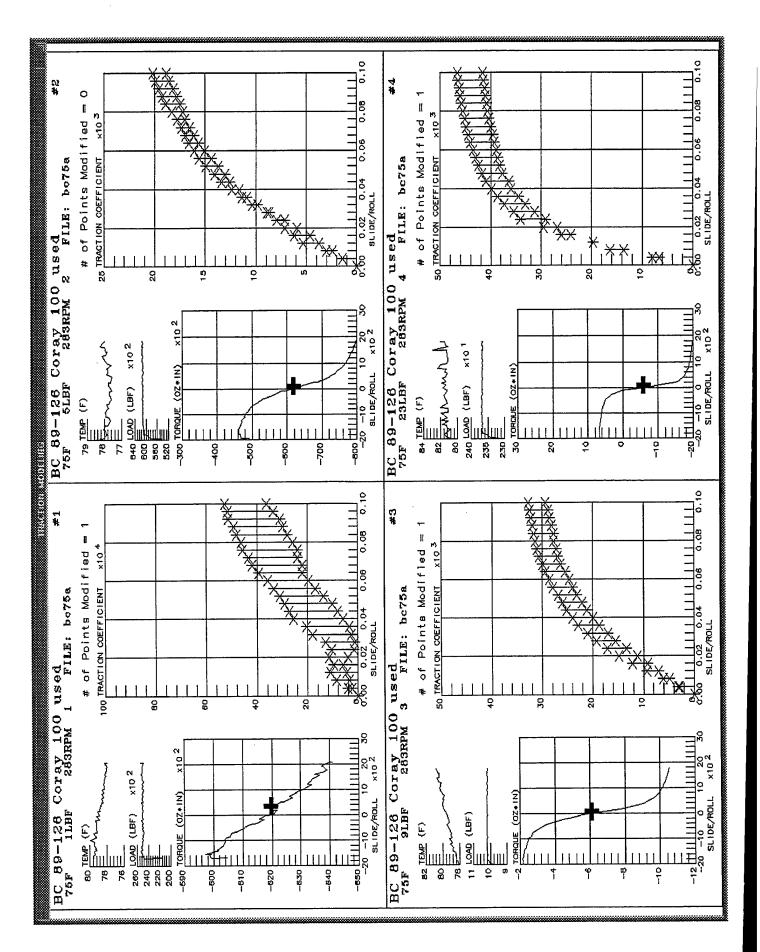
Data set: BC 89-126 Coray 100 usedcontinued

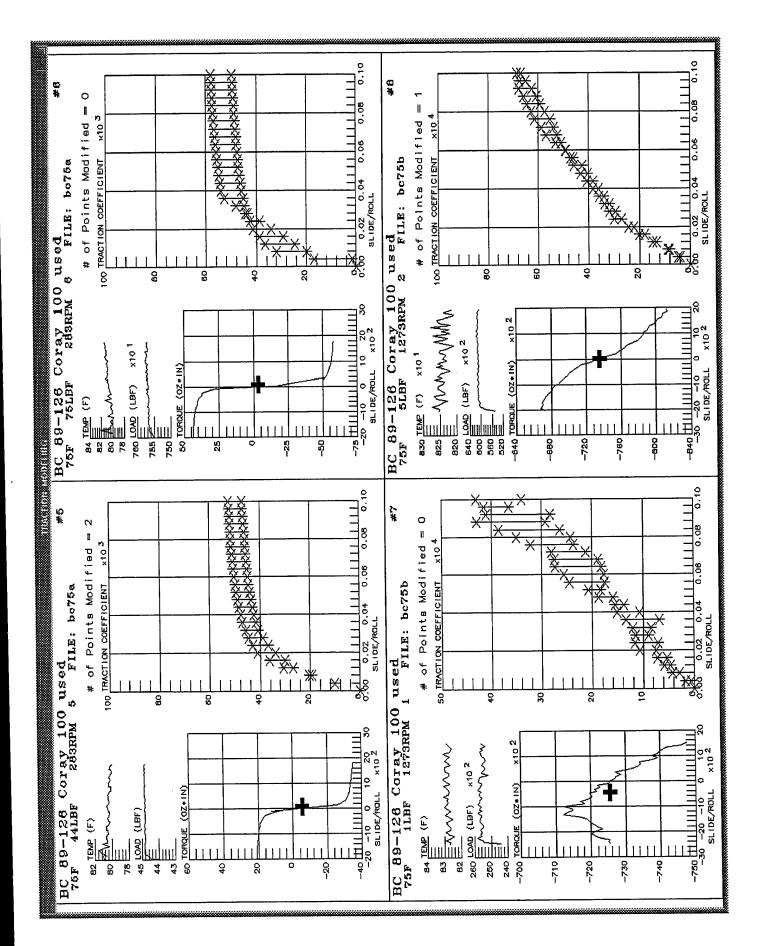
\$1 100.00		Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts		alibra Load2		actors Rpm2		SqDev	Dataset/Test #
100.00 22.65 3438.00 4202.00 3820.00 49 0.71 1.49 0.40 0.40 1.00 7.47E-06 be100d #/ 55 100.00 75.97 3438.00 4202.00 3820.00 49 0.71 1.49 0.40 0.40 1.00 1.03E-04 be100d #/ 55 100.00 1.35 4584.00 5602.00 5093.00 49 0.71 1.49 0.40 0.40 1.00 1.03E-04 be100d #/ 57 100.00 9.16 4584.00 5602.00 5093.00 49 0.71 1.49 0.40 0.40 1.00 3.54E-05 be100d #/ 58 100.00 22.65 4584.00 5602.00 5093.00 49 0.71 1.49 0.40 0.40 1.00 3.54E-05 be100d #/ 58 100.00 23.55 4584.00 5602.00 5093.00 49 0.71 1.49 0.40 0.40 1.00 3.54E-05 be100d #/ 58 100.00 23.55 4584.00 5602.00 5093.00 49 0.71 1.49 0.40 0.40 1.00 3.54E-05 be100d #/ 58 100.00 43.59 4584.00 5602.00 5093.00 49 0.71 1.49 0.40 0.40 1.00 3.54E-05 be100d #/ 58 100.00 75.19 4584.00 5602.00 5093.00 49 0.71 1.49 0.40 0.40 1.00 3.54E-05 be100d #/ 58 100.00 75.97 4584.00 5602.00 5093.00 49 0.71 1.49 0.40 0.40 1.00 3.54E-05 be100d #/ 58 100.00 75.97 4584.00 5602.00 5093.00 49 0.71 1.49 0.40 0.40 1.00 1.34E-05 be100d #/ 58 100.00 75.97 4584.00 1400.00 1273.00 49 0.71 1.49 0.40 0.40 1.00 1.34E-05 be100d #/ 58 100.00 75.97 4584.00 1400.00 1273.00 49 0.71 1.49 0.40 0.40 1.00 1.34E-05 be120d #/ 58 100.00 75.97 1446.00 1400.00 1273.00 49 0.71 1.49 0.40 0.40 1.00 2.65E-05 be120d #/ 58 100.00 75.97 1446.00 1400.00 1273.00 49 0.71 1.49 0.40 0.40 1.00 2.65E-05 be120d #/ 58 100.00 75.97 1446.00 1400.00 1273.00 49 0.71 1.49 0.40 0.40 1.00 2.65E-05 be120d #/ 58 100.00 75.97 1446.00 1400.00 1273.00 49 0.71 1.49 0.40 0.40 1.00 2.65E-05 be120d #/ 58 100.00 75.97 1446.00 1400.00 1273.00 49 0.71 1.49 0.40 0.40 1.00 2.65E-05 be120d #/ 58 100.00 75.97 1446.00 1400.00 1273.00 49 0.71 1.49 0.40 0.40 1.00 2.65E-05 be120d #/ 58 100.00 75.97 1446.00 1400.00 1273.00 49 0.7	51	100.00	9.16	3438.00	4202.00	3820.00	49	0.71	1.49	0.40	0.40	1.00	3.19E-05	bc100d #3
55 100.00							49	0.71	1.49	0.40	0.40	1.00	7.47E-06	bc100d #4
55 100.00		100.00			4202.00		49							
100.00	54													
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120.00			43.95			1273.00								
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77 120.00														bc120d #4
78 120.00						3820.00	49	0.71	1.49	0.40				bc120d #5
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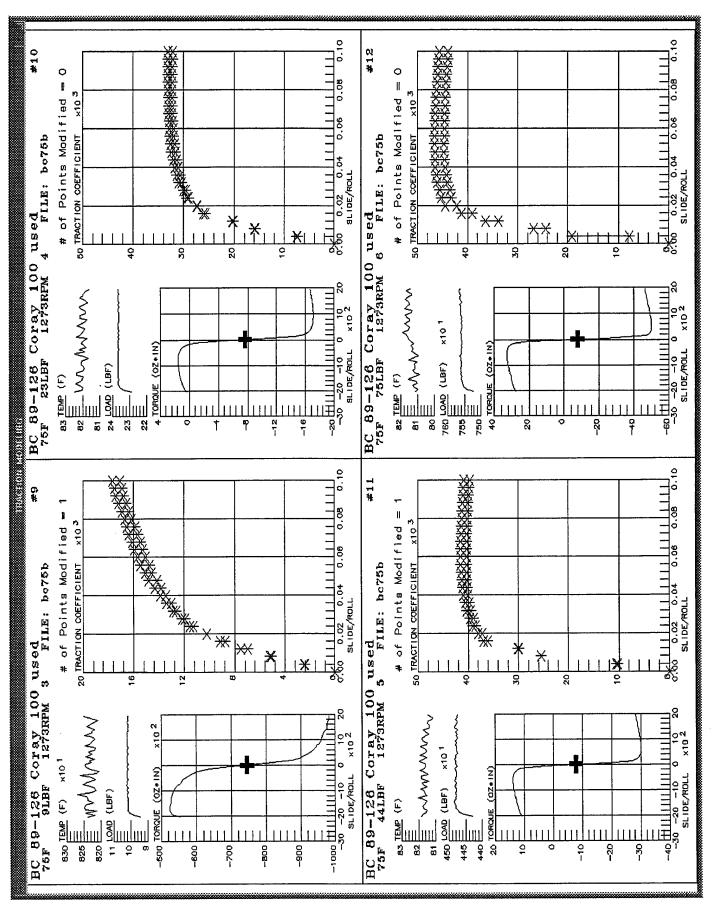
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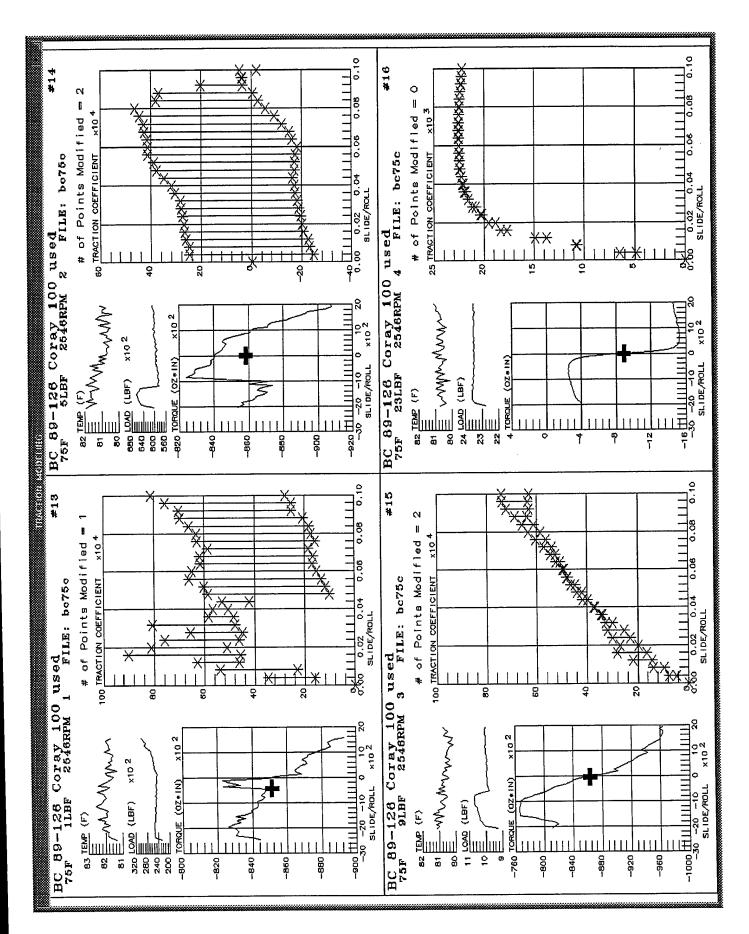
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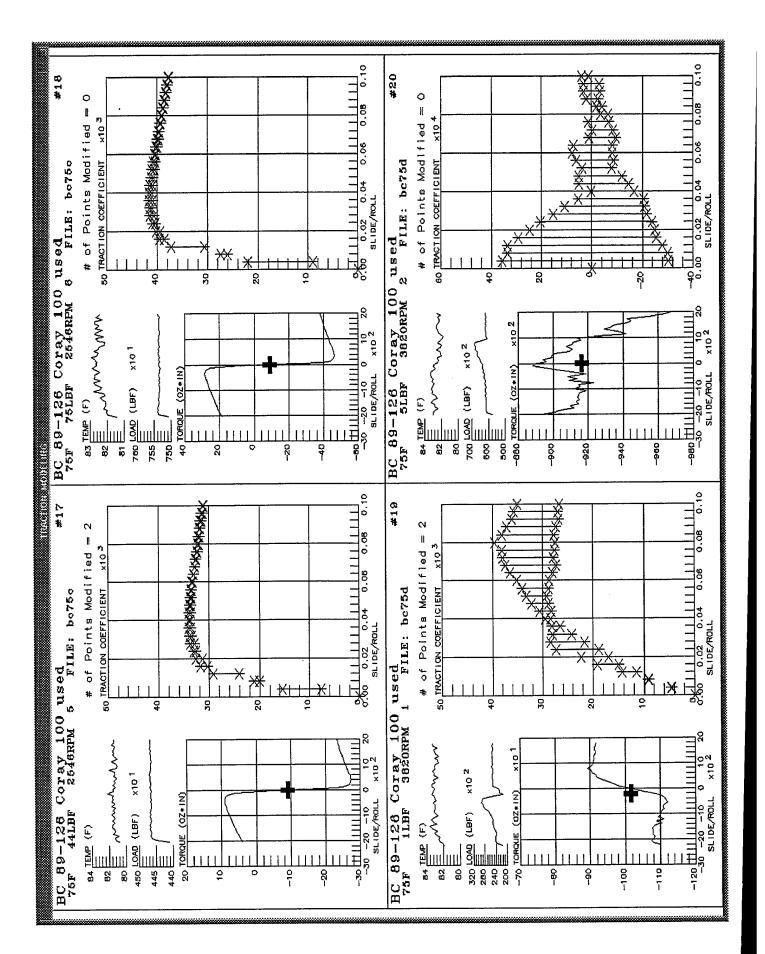
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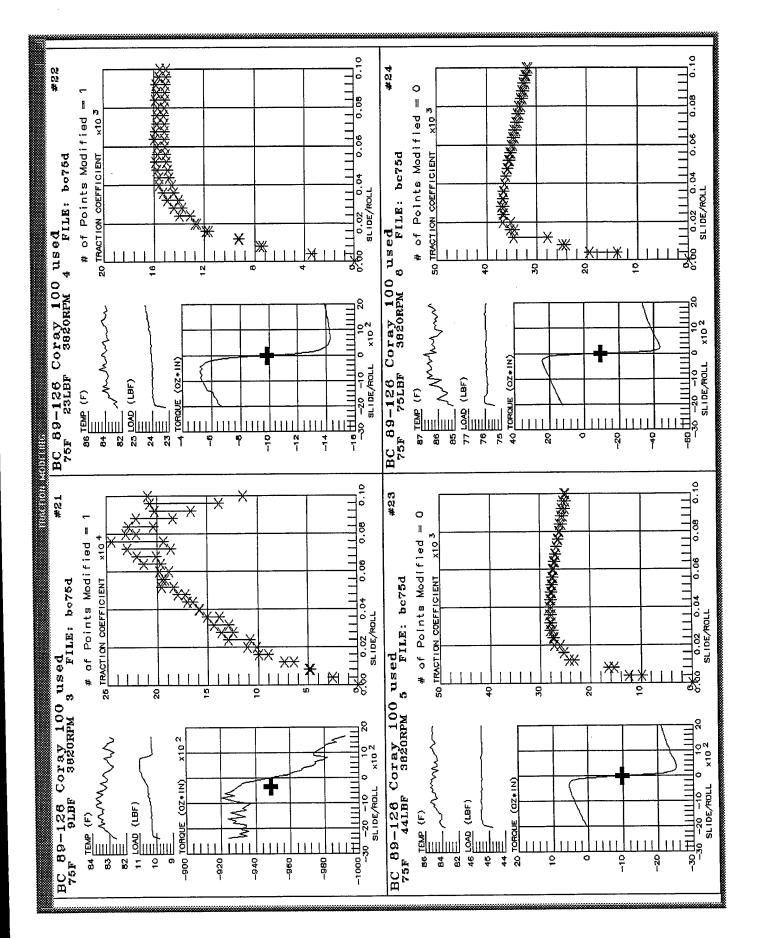


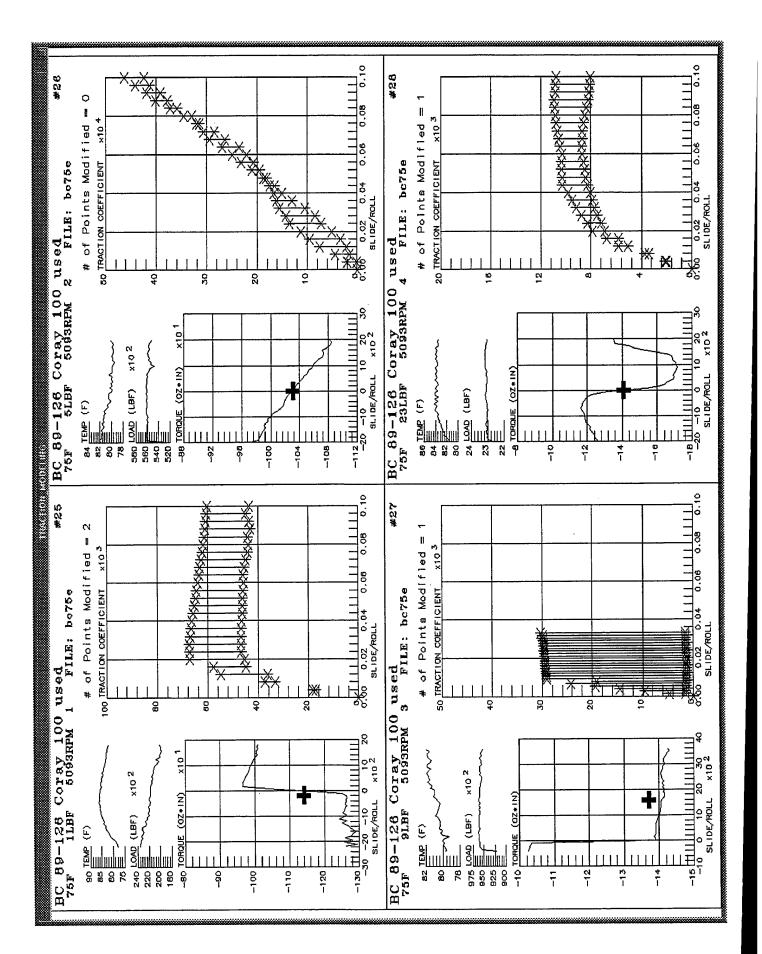


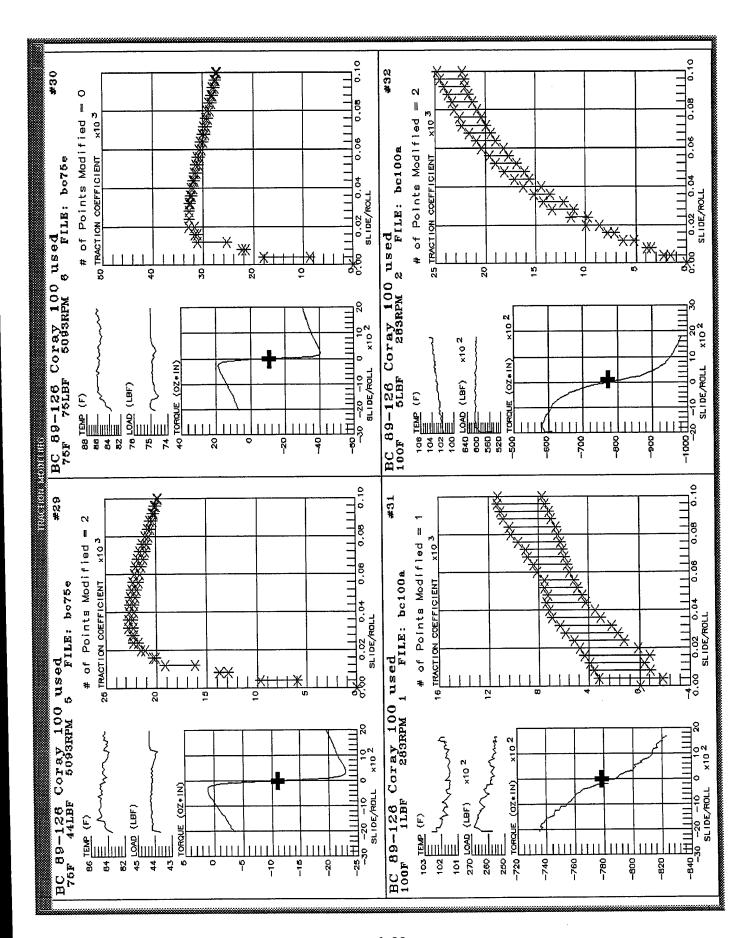


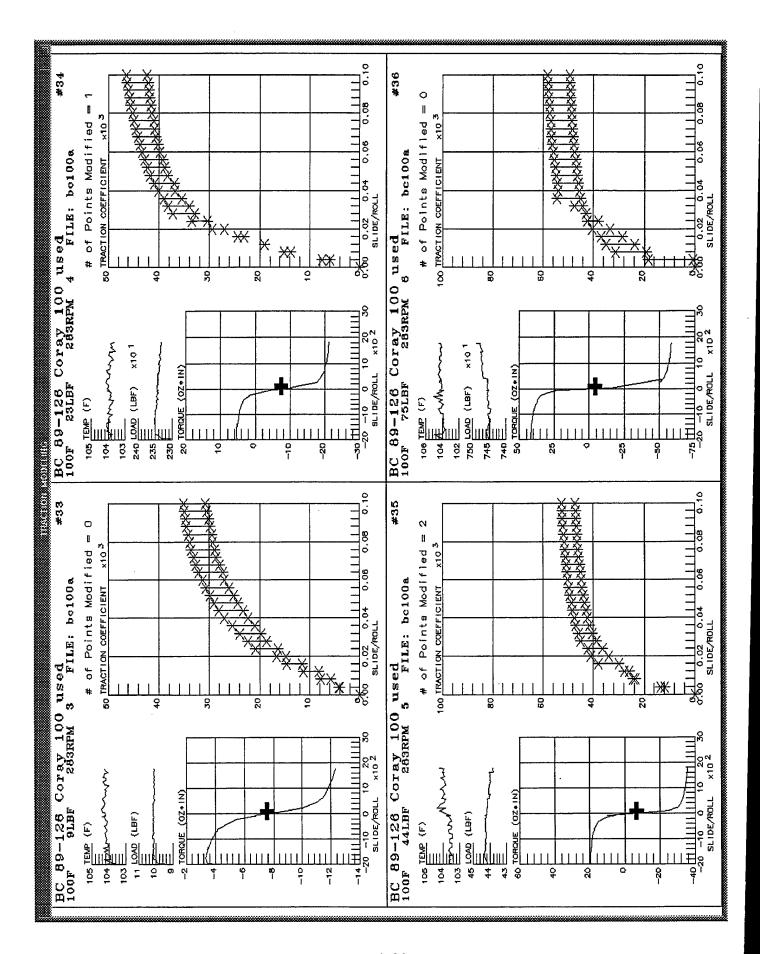


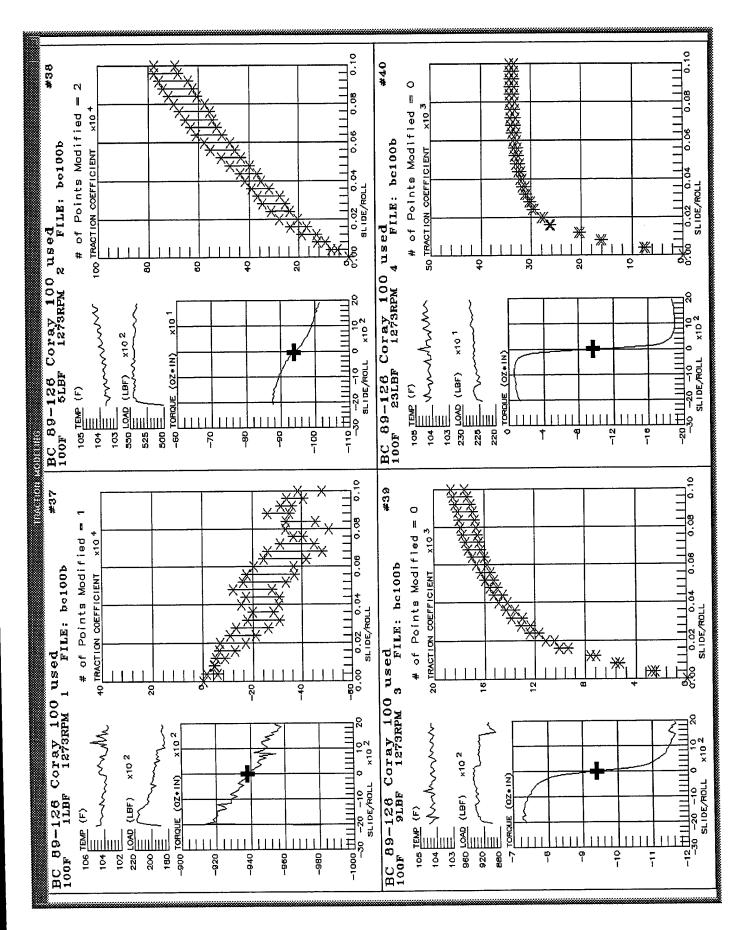


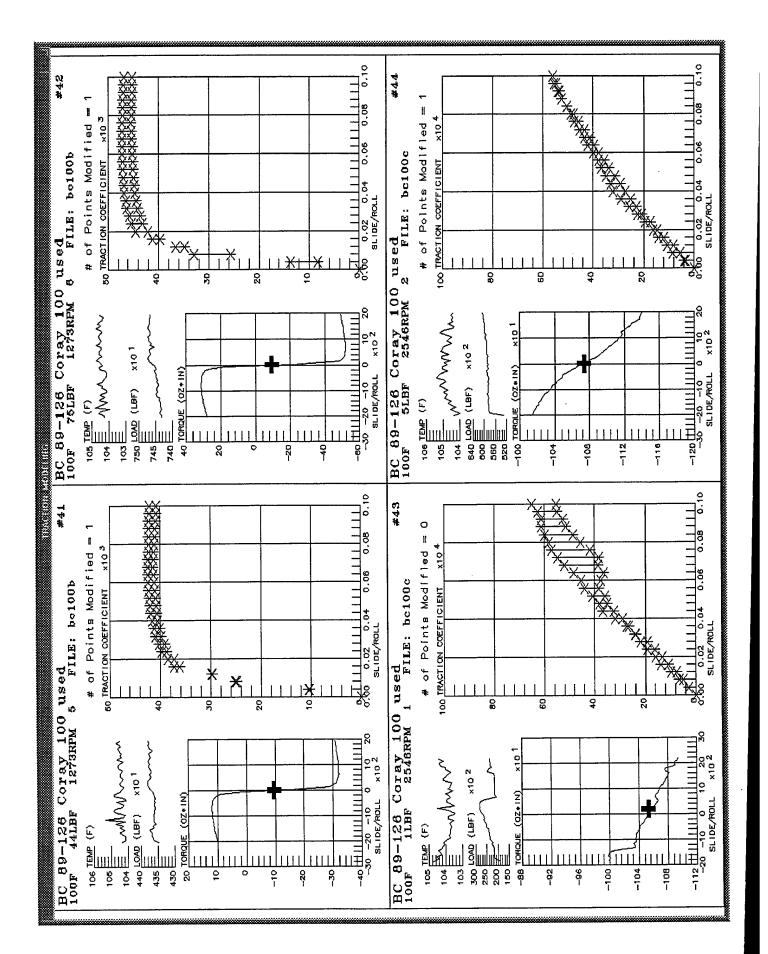


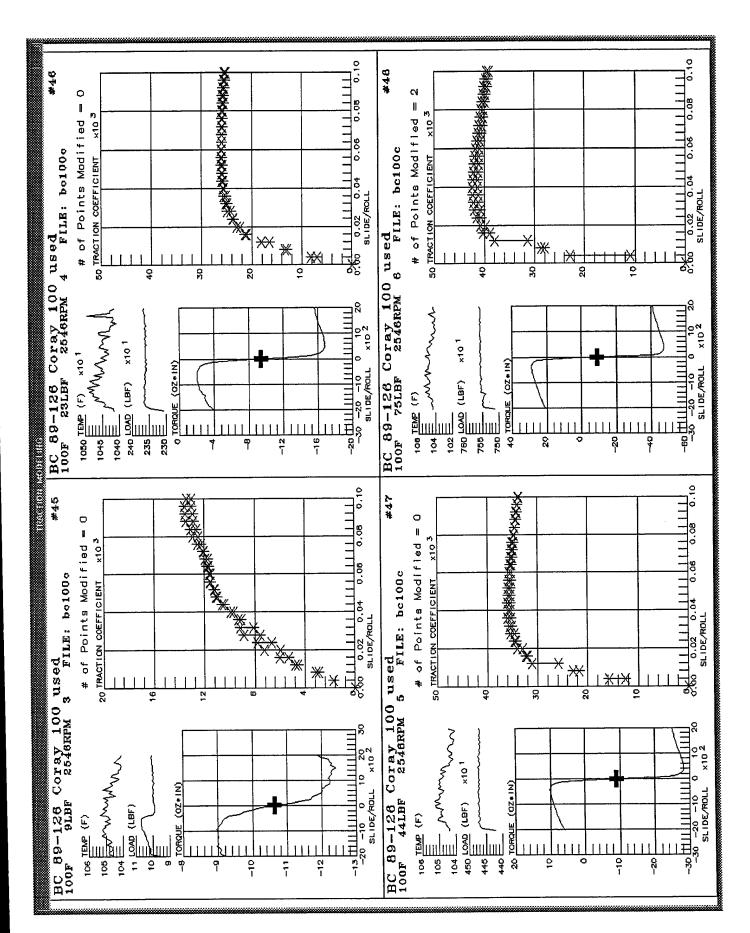


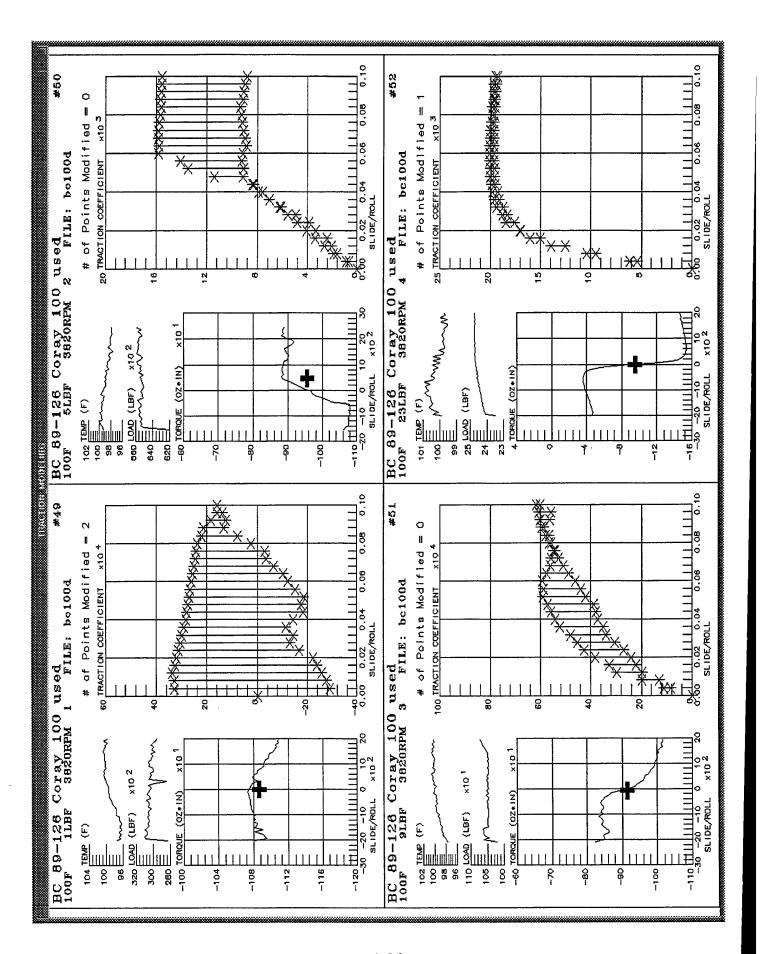


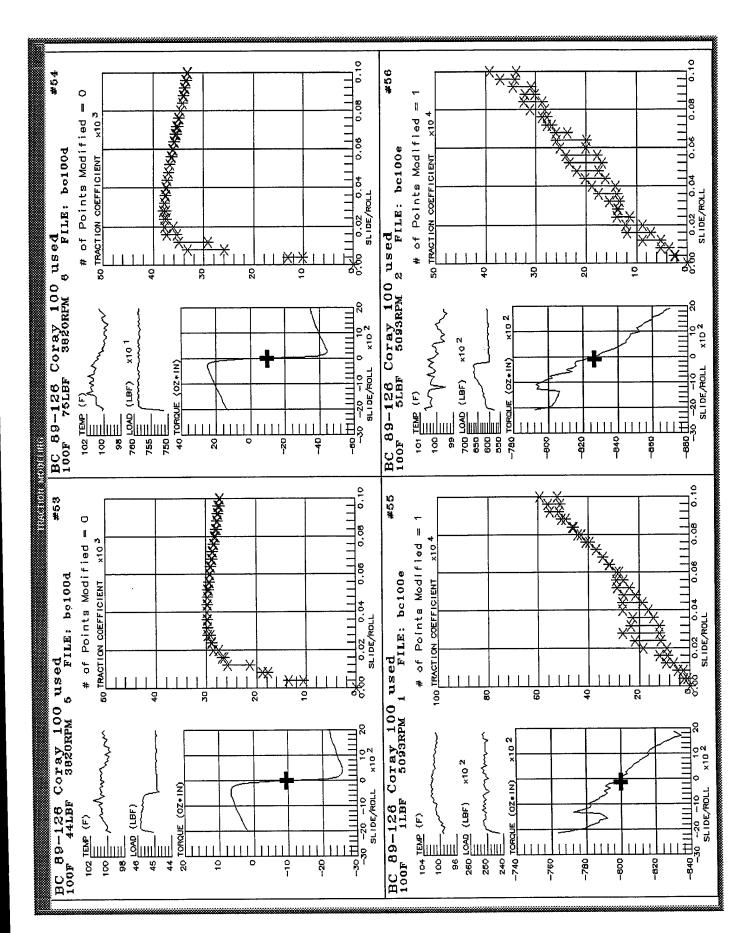


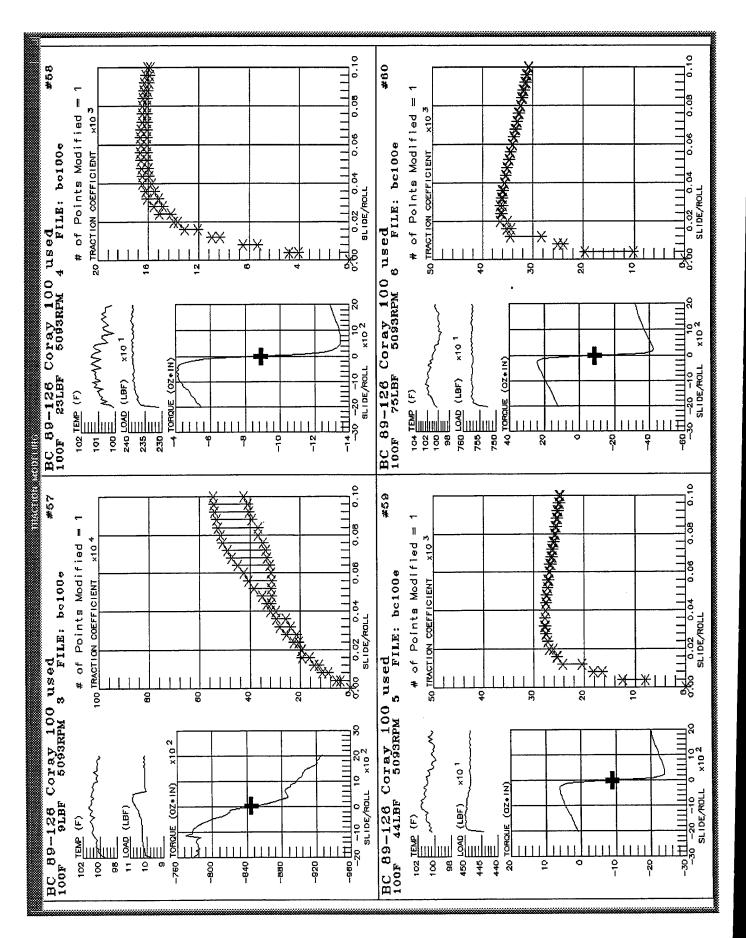


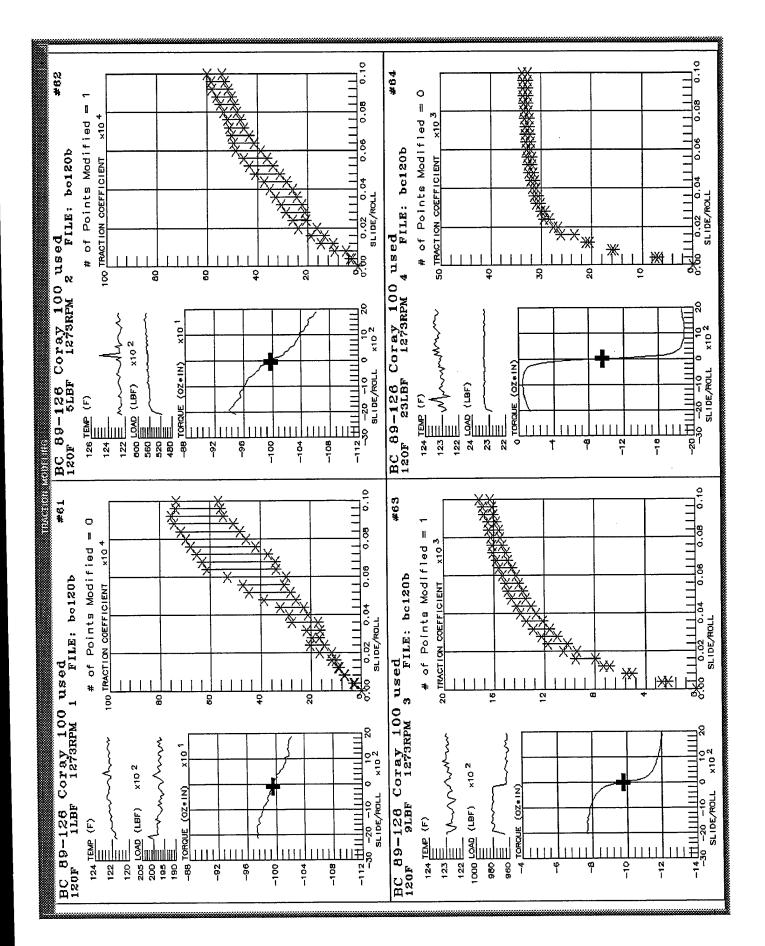


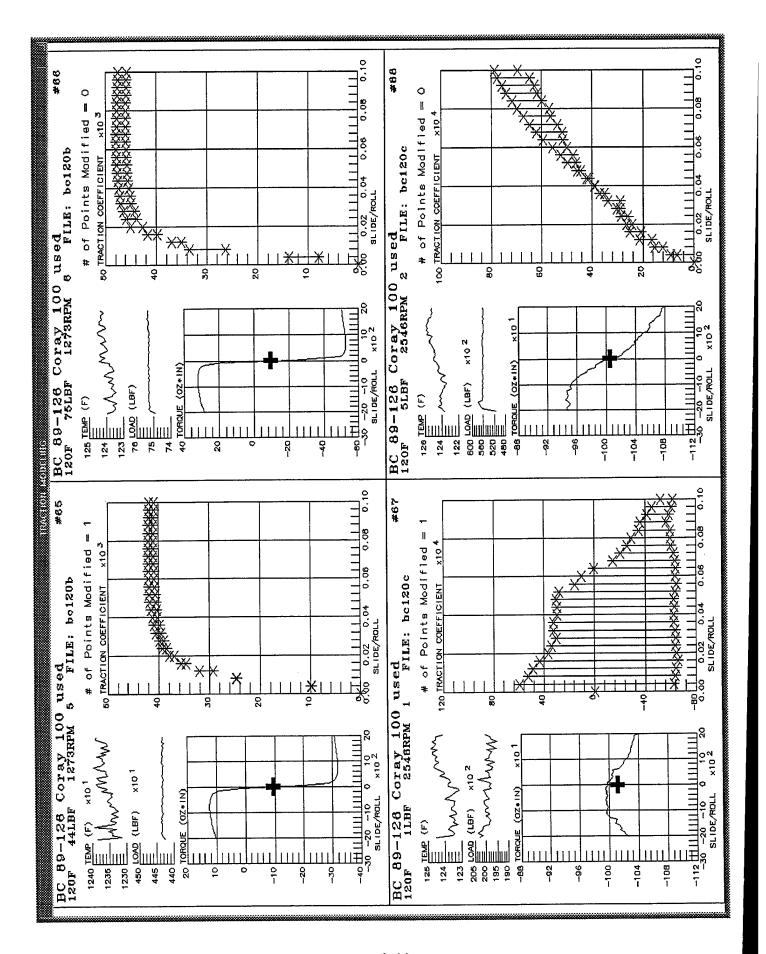


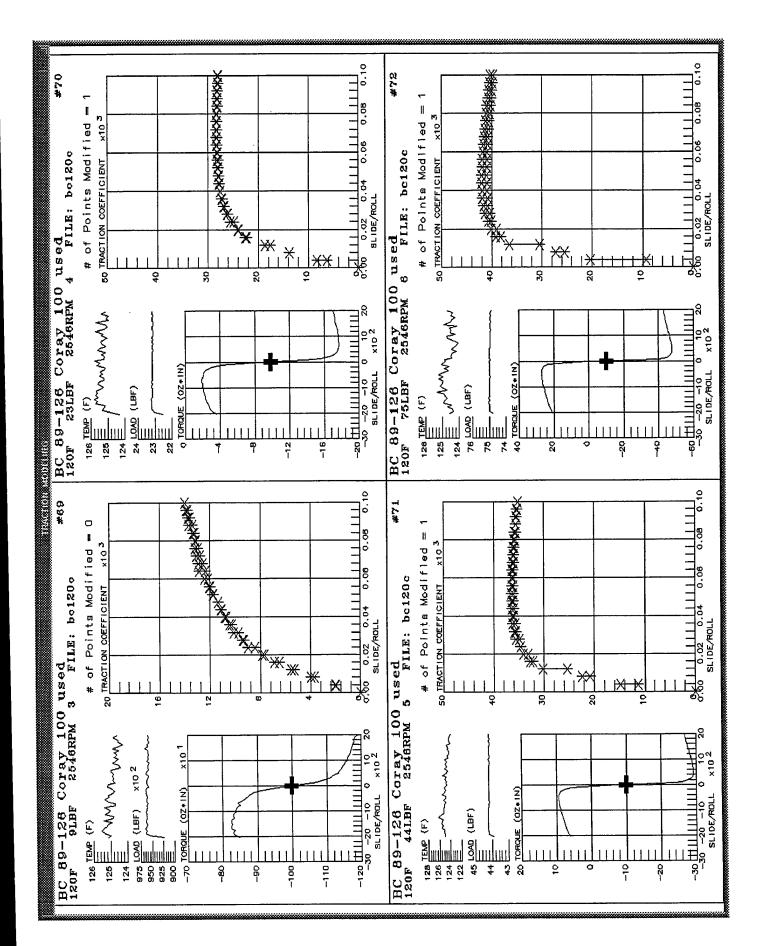


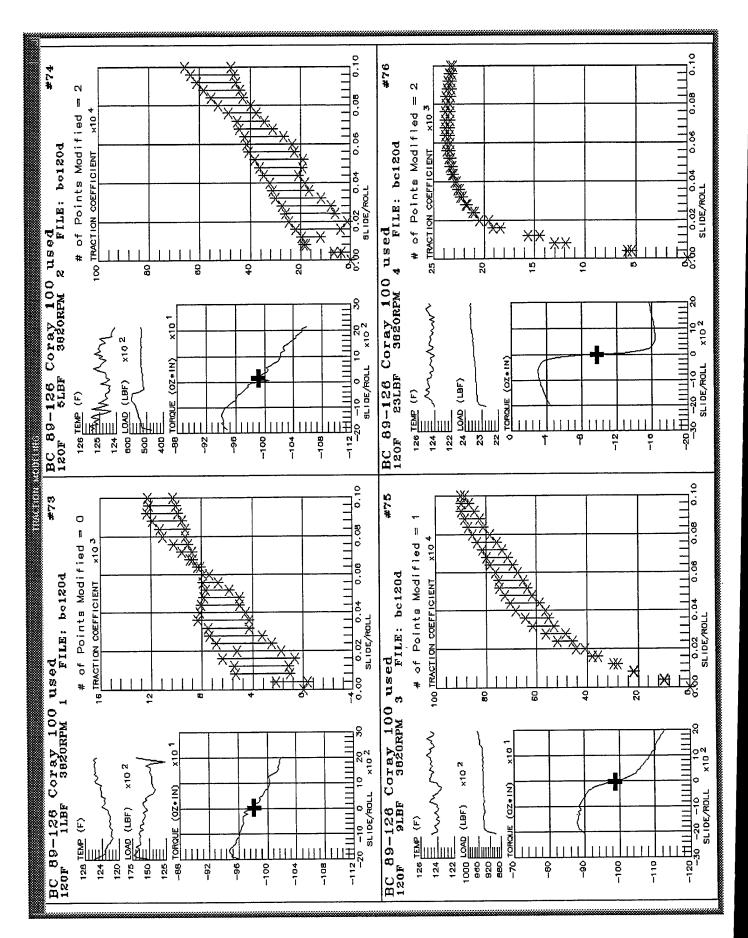


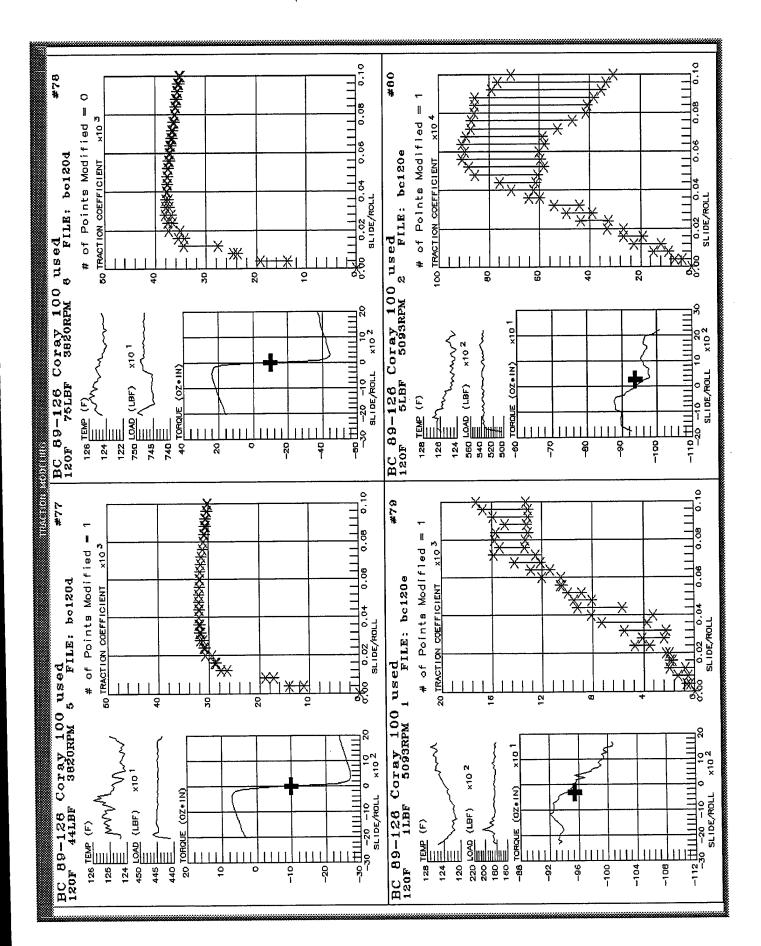


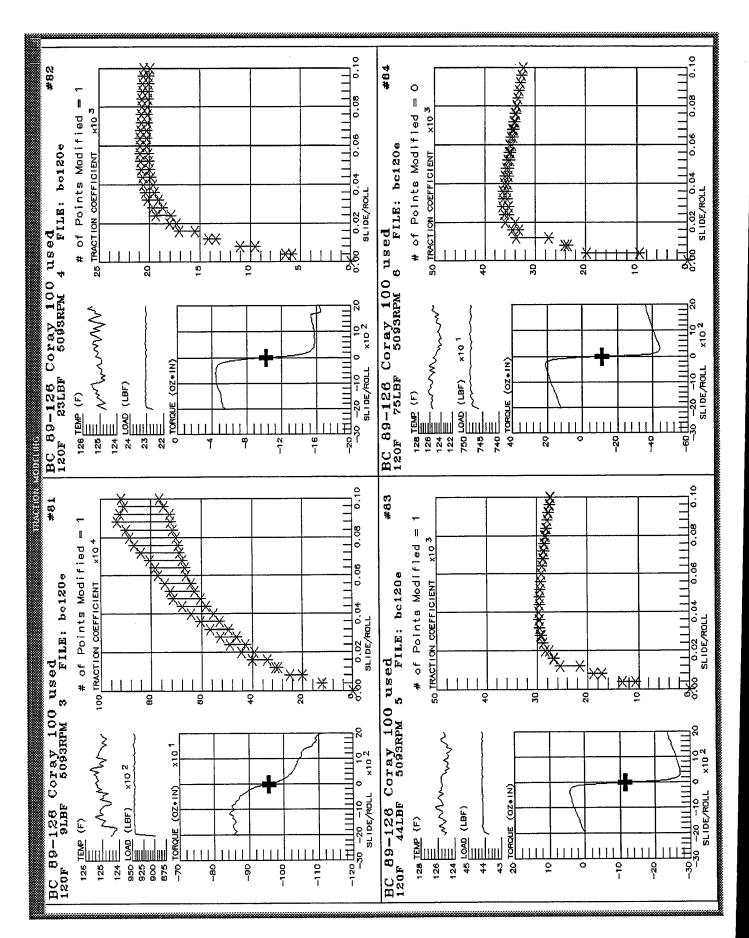


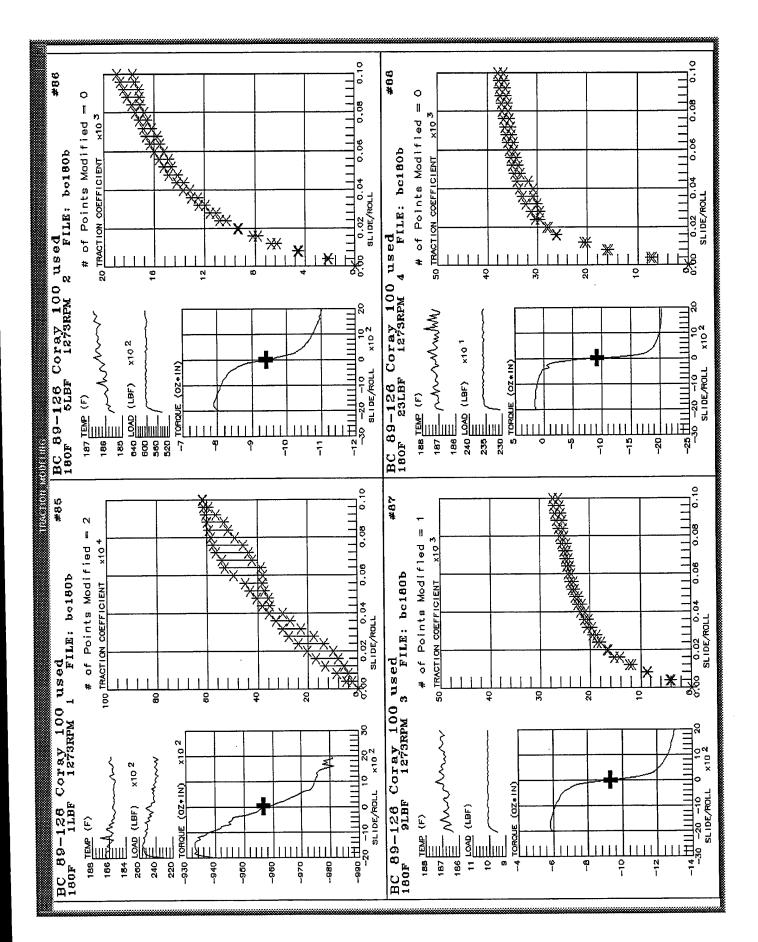


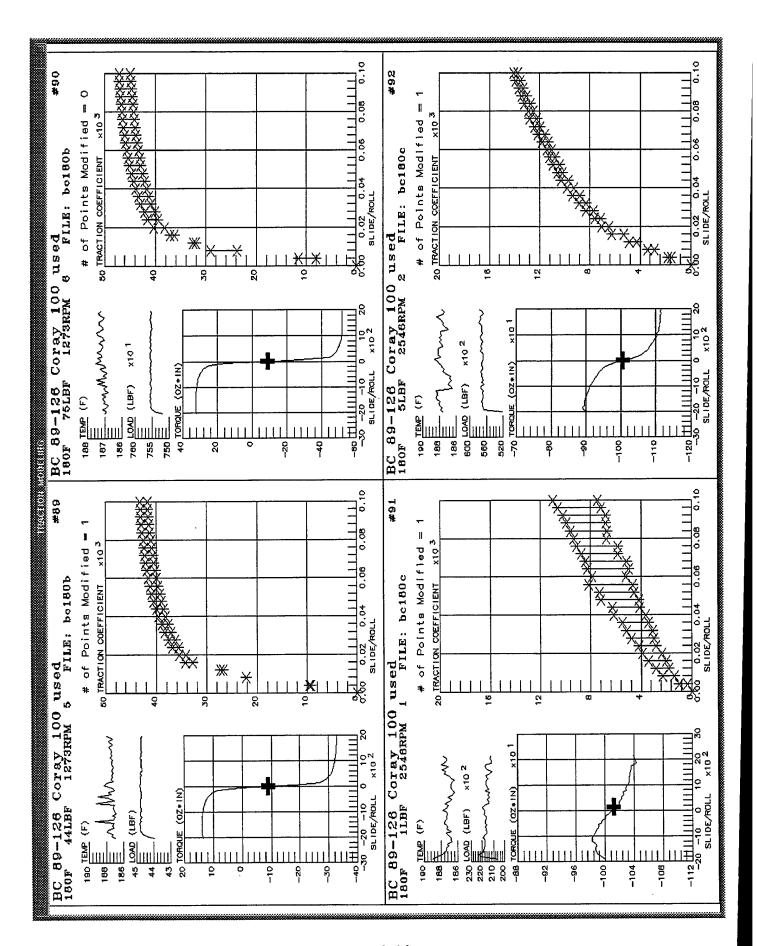


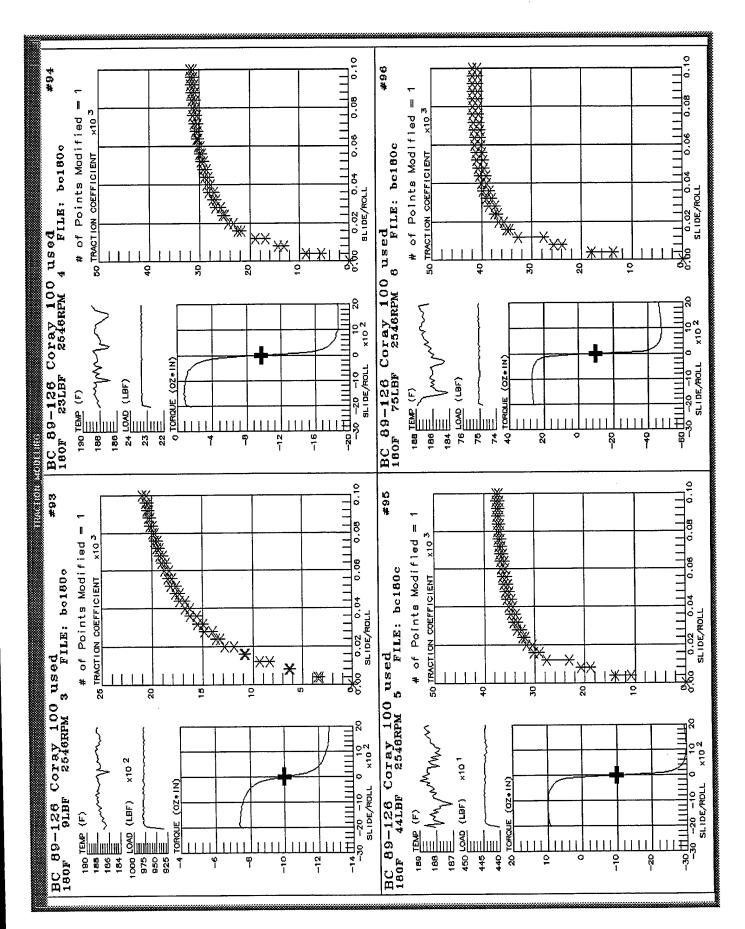


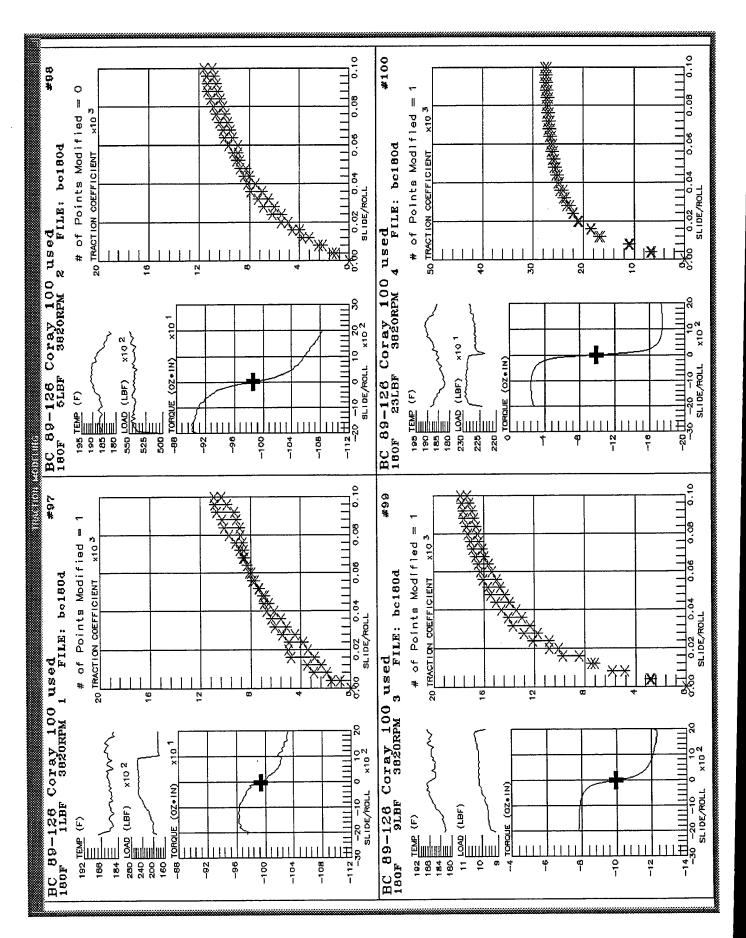


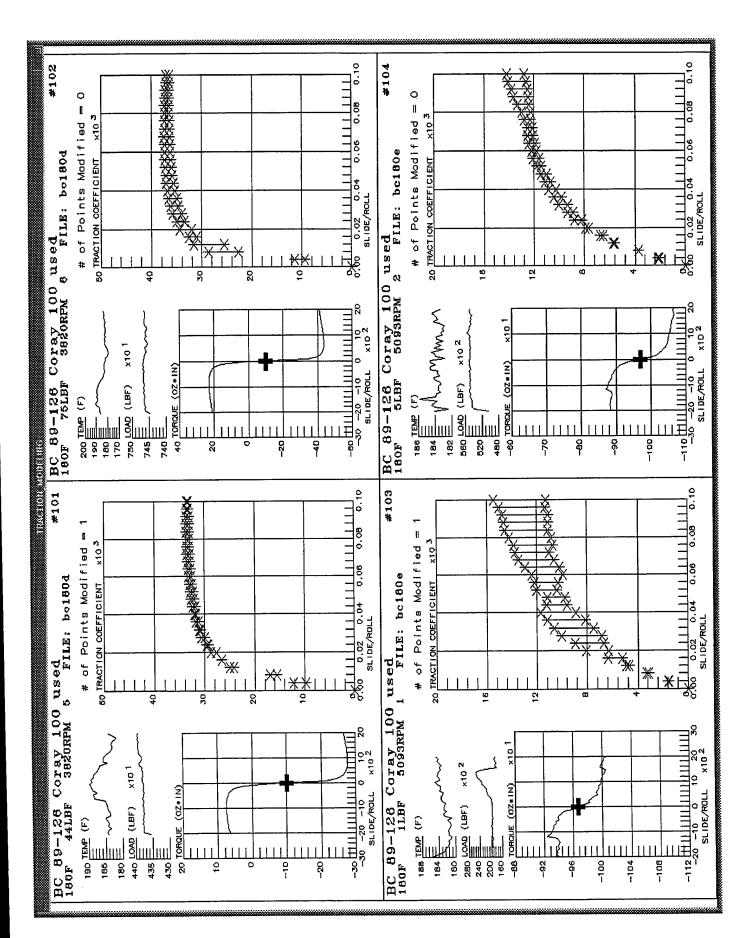


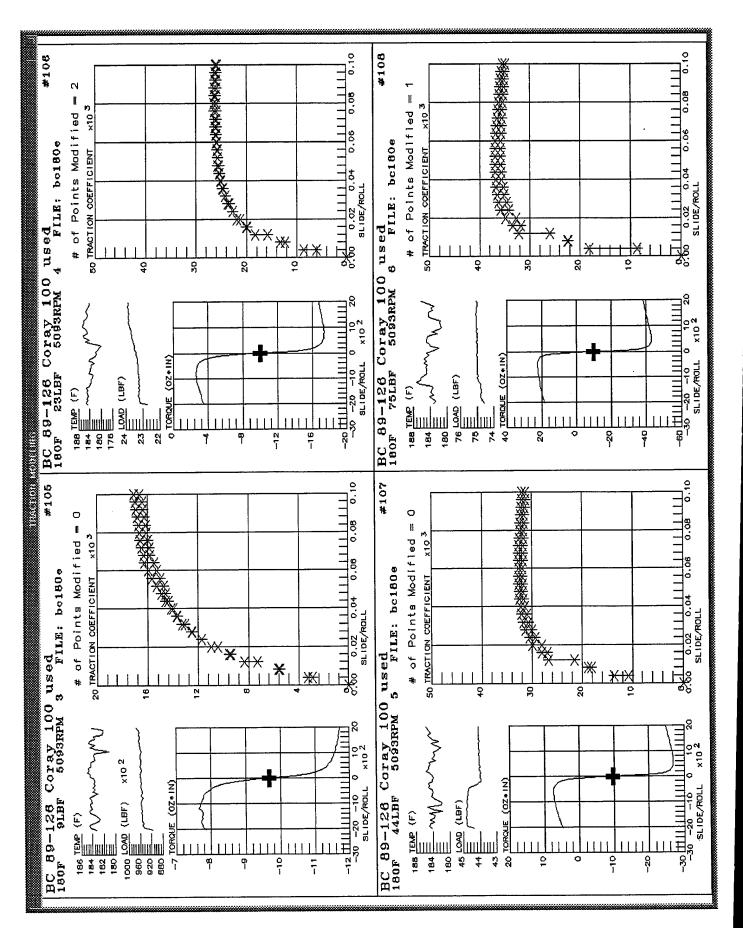






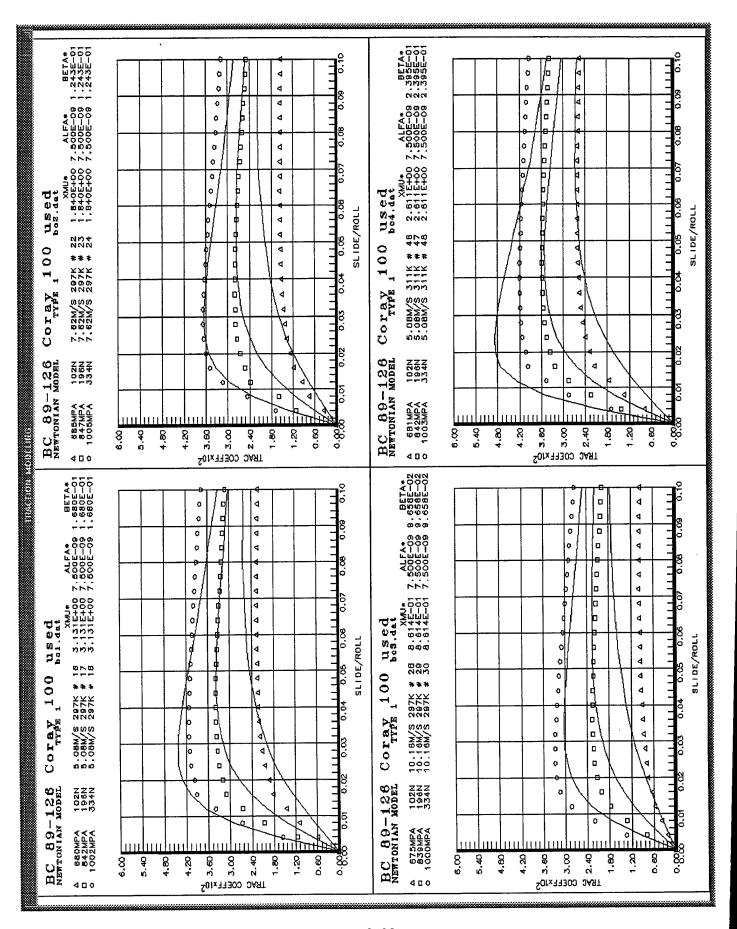


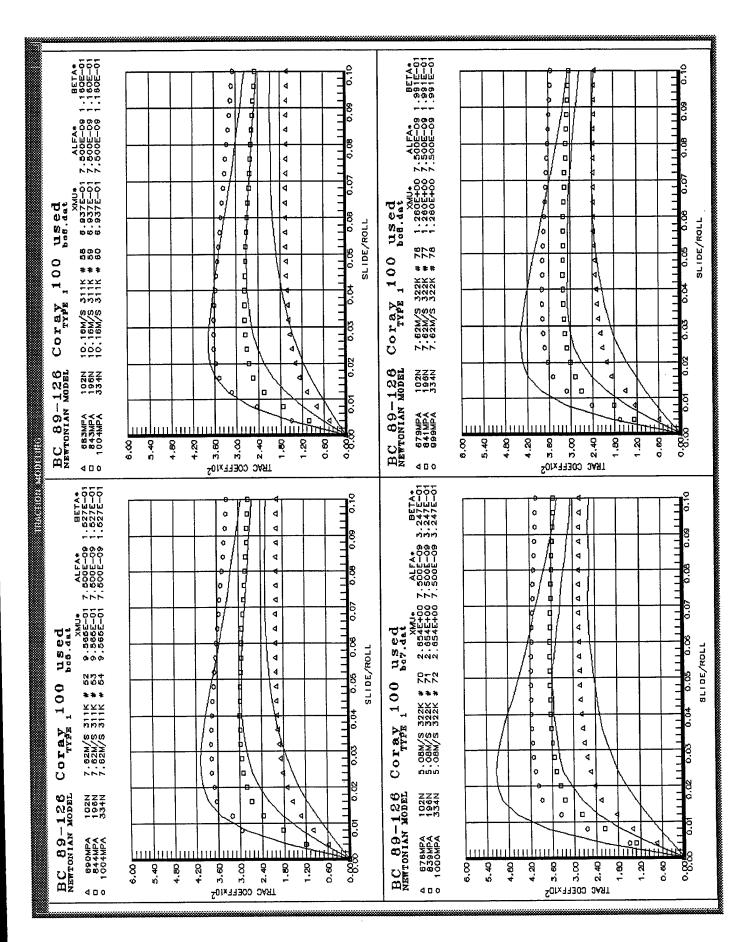


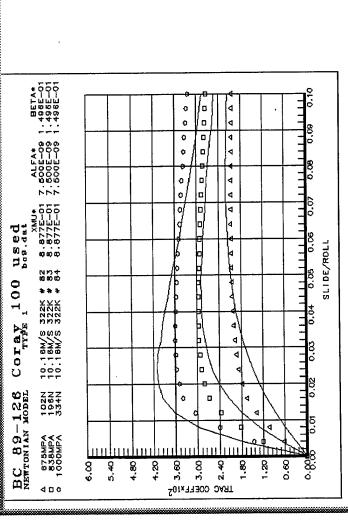


Lubricant name = BC 89-105 Coray 100 used

NEWTONIAN	MODEL	IY	PE 1			
Dataset Name		Inlet Temp	Roll Velocity	XMU*	ALFA*	BETA*
		(K)	(M/S)	(Pa.S)	(1/Pa)	(1/K)
bc1.dat	2.97	22E+02	5.0790E+00	3.1313E+00	7.5000E-09	1.6804E-01
bc2.dat	2.97	22E+02	7.6206E+00	1.8401E+00	7.5000E-09	1.2427E-01
bc3.dat	2.97	22E+02	1.0160E+01	8.6139E-01	7.5000E-09	9.6579E-02
bc4.dat	3.11	11E+02	5.0790E+00	2.6113E+00	7.5000E-09	2.3954E-01
bc5.dat	3.11	11E+02	7.6206E+00	9.5654E-01	7.5000E-09	1.5271E-01
bc6.dat	3.11	11E+02	1.0160E+01	6.9371E-01	7.5000E-09	1.1600E-01
bc7.dat	3.22	22E+02	5.0790E+00	2.6543E+00	7.5000E-09	3.2465E-01
bc8.dat	3.22	22E+02	7.6206E+00	1.2599E+00	7.5000E-09	1.9913E-01
bc9.dat	3.22	22E+02	1.0160E+01	8.8766E-01	7.5000E-09	1.4960E-01







7. Traction Data Set F:

93-172 PAO + 16.5% 93-141 + Additives

Number of data sets found = 161

	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	C Load1	alibra Load2	tion F Rpm1	actors Rpm2	Torq	SqDev	Dataset/Test #
			407.00	693.00	660.00	50	0.71	1,49	1.00	1.00	1.00	1.29E-05	cm80l #1
1	80.00	18.39	627.00	693.00	660.00	50	0.71	1.49	1.00	1.00	1.00	2.61E-05	cm801 #2
2	80.00	35.93	627.00	693.00	660.00	50	0.71	1.49	1.00	1.00	1.00	1.34E-04	cm80l #3
3	80.00	62.13	627.00	693.00	660.00	50	0.71	1.49	1.00	1.00	1.00	5.85E-04	cm80l #4
4	80.00	98.62	627.00		1281.00	50	0.71	1.49	1.00	1.00	1.00	4.86E-05	cm80l #5
5	80.00	18.39	1217.00	1345.00 1345.00	1281.00	50	0.71	1.49	1.00	1.00	1.00	2.89E-05	cm80l #6
6	80.00	35.93	1217.00	1345.00	1281.00	50	0.71	1.49	1.00	1.00	1.00	6.44E-05	cm80l #7
7	80.00	62.13	1217.00	1345.00	1281.00	50	0.71	1.49	1.00	1.00	1.00	7.70E-05	cm801 #8
8	80.00	98.62	1217.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	3.85E-05	cm80lx #1
9	80.00	18.39	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	8.19E-05	cm80lx #2
10	80.00	35.93	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	1.36E-04	cm80lx #3
11	80.00	62.13	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	3.00E-03	cm80lx #4
12	80.00	98.62	290.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	6.42E-05	cm80h #1
13	80.00	18.39	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	6.88E-05	cm80h #2
14	80.00	35.93	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	1.77E-04	cm80h #3
15	80.00	62.13	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	3.14E-04	cm80h #4
16	80.00	98.62	2472.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00	1.26E-04	cm80h #5
17	80.00	18.39	4908.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00	7.12E-05	cm80h #6
18	80.00	35.93	4908.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00	6.87E-05	cm80h #7
19	80.00	62.13	4908.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00	1.65E-04	cm80h #8
20	80.00	98.62	4908.00	8157.00	7769.00	50	0.71	1.49	1.00	1.00	1.00	2.92E-05	cm80h #9
21	80.00	18.39	7381.00	8157.00	7769.00	50	0.71	1.49	1.00	1.00	1.00	7.77E-05	cm80h #10
22	80.00	35.93	7381.00	8157.00	7769.00	50	0.71	1.49	1.00	1.00	1.00	9.10E-05	cm80h #11
23	80.00	62.13	7381.00 7381.00	8157.00	7769.00	50	0.71	1.49	1.00	1.00	1.00	9.59E-05	cm80h #12
24	80.00	98.62 18.39	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	7.64E-05	cm80h #13
25	80.00	35.93	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	1.18E-04	cm80h #14
26	80.00	62.13	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	8.06E-05	cm80h #15
27	80.00	98.62	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	1.30E-04	cm80h #16
28	80.00 100.00	18.39	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	3.90E-05	cm100t #1
29	100.00	35.93	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	1.50E-04	cm100t #2
30 31	100.00	62.13	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	8.02E-05	cm1001 #3
32	100.00	98.62	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	1.62E-03	cm1001 #4
33	100.00	18.39	627.00	693.00	660.00	50	0.71	1.49	1.00	1.00	1.00	1.25E-05	cm1001 #5
34	100.00	35.93	627.00	693.00	660.00	50	0.71	1.49	1.00	1.00	1.00	1.19E-04	cm100l #6 cm100l #7
35	100.00	62.13	627.00	693.00	660.00	50	0.71	1.49	1.00	1.00	1.00	5.19E-04	cm1001 #8
36	100.00	98.62	627.00	693.00	660.00	50	0.71	1.49	1.00	1.00	1.00	9.70E-05	cm1001 #9
37	100.00	18.39	1217.00	1345.00	1281.00	50	0.71	1.49	1.00	1.00	1.00	2.28E-05 1.80E-05	cm100t #10
38	100.00	35.93	1217.00	1345.00	1281.00	50	0.71	1.49	1.00	1.00	1.00		cm1001 #11
39	100.00	62.13	1217.00	1345.00	1281.00	50	0.71	1.49	1.00	1.00	1.00	3.18E-05 8.54E-05	cm100t #12
40	100.00	98.62	1217.00	1345.00	1281.00	50	0.71	1.49	1.00	1.00	1.00		cm100t #12
41	100.00	18.39	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	1.27E-04	cm100h #2
42	100.00	35.93	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	4.54E-05	cm100h #3
43	100.00	62.13	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	1.96E-05	cm100h #4
44	100.00	98.62	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	3.34E-04	cm100h #4 cm100h #5
45	100.00	18.39	4908.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00	1.07E-04	cm100h #5
46	100.00	35.93	4908.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00	8.34E-05	cm100h #7
47	100.00	62.13	4908.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00	7.71E-05	cm100h #7 cm100h #8
48	100.00	98.62	4908.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00	3.83E-05	cm100h #9
49	100.00	18.39	7381.00	8157.00	7769.00	50	0.71	1.49	1.00	1.00	1.00	2.84E-05	cm100h #10
50	100.00	35.93	7381.00	8157.00	7769.00	50	0.71	1.49	1.00	1.00	1.00	1.29E-05	CHITOUR #10
50	.00.00	33.73											

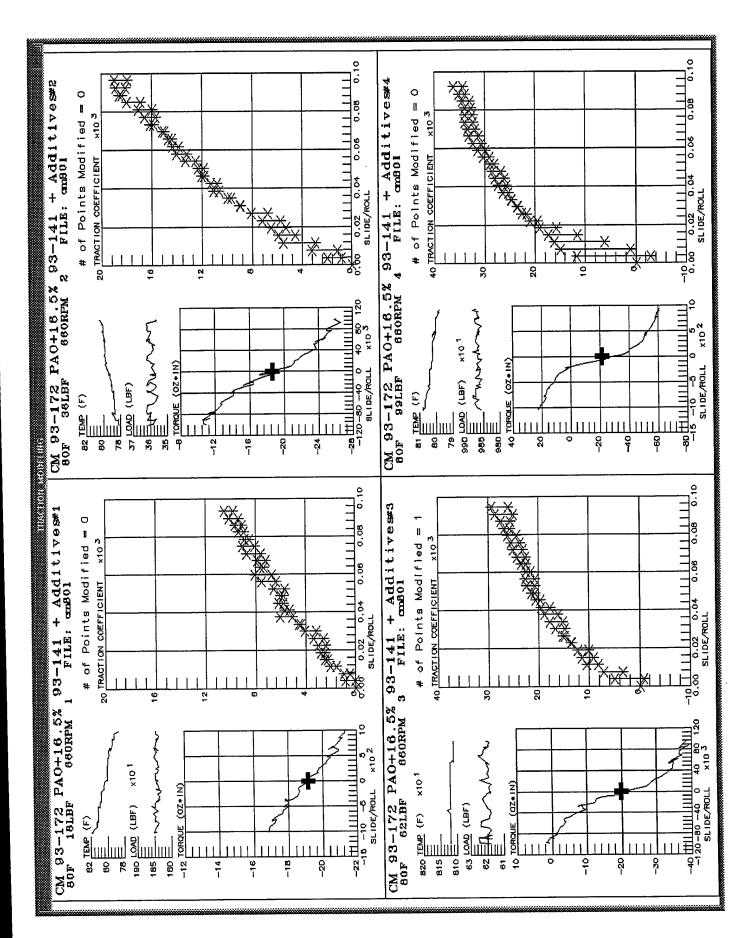
	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts		alibra Load2				SqDev	Dataset/Test #
51	100.00	62.13	7381.00	8157.00 8157.00	7769.00 7769.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	6.95E-05 5.60E-05	cm100h #11 cm100h #12
52 53	100.00 100.00	98.62 18.39	7381.00 9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	1.37E-04	cm100h #12
54	100.00	35.93	9852.00	10890.00	10371.00	50	0.71	1.49	1.00		1.00	8.99E-05	cm100h #14
55	100.00	62.13	9852.00	10890.00	10371.00	50	0.71	1.49	1.00		1.00	2.16E-05	cm100h #15
56	100.00	98.62	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	2.52E-04 1.17E-04	cm100h #16
57 58	150.00 150.00	18.39 35.93	290.00 290.00	330.00 330.00	310.00 310.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.17E-04 1.85E-04	cm150l #1 cm150l #2
59	150.00	62.13	290.00	330.00	310.00	50	0.71	1.49	1.00		1.00	4.94E-04	cm150l #3
60	150.00	98.62	290.00	330.00	310.00	50	0.71	1.49	1.00		1.00	6.17E-05	cm150l #4
61	150.00	18.39	627.00	693.00	660.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	7.02E-06 1.04E-05	cm150l #5 cm150l #6
62 63	150.00 150.00	35.93 62.13	627.00 627.00	693.00 693.00	660.00 660.00	50	0.71	1.49	1.00	1.00	1.00	5.66E-05	cm150t #7
64	150.00	98.62	627.00	693.00	660.00	50	0.71	1.49	1.00	1.00	1.00	7.41E-05	cm150l #8
65	150.00	18.39	1217.00	1345.00	1281.00	50	0.71	1.49	1.00		1.00	8.01E-06	cm150t #9
66	150.00	35.93	1217.00	1345.00	1281.00 1281.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	7.55E-06 2.79E-05	cm150l #10 cm150l #11
67 68	150.00 150.00	62.13 98.62	1217.00 1217.00	1345.00 1345.00	1281.00	50	0.71	1.49	1.00	1.00	1.00	3.46E-05	cm150t #17
69	150.00	35.93	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	5.63E-06	cm150h #1
70	150.00	62.13	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	4.45E-05	cm150h #2
71	150.00	98.62	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	4.17E-05 1.44E-05	cm150h #3 cm150h #4
72 73	150.00 150.00	35.93 62.13	4908.00 4908.00	5424.00 5424.00	5166.00 5166.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.44E-05	cm150h #5
74	150.00	98.62	4908.00	5424.00	5166.00	50	0.71	1.49	1.00		1.00	2.60E-05	cm150h #6
75	150.00	35.93	7381.00	8157.00	7769.00	50	0.71	1.49	1.00	1.00	1.00	2.61E-05	cm150h #7
76	150.00	62.13	7381.00	8157.00	7769.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00	1.44E-05 1.32E-05	cm150h #8 cm150h #9
77 78	150.00 150.00	98.62 35.93	7381.00 9852.00	8157.00 10890.00	7769.00 10371.00	50	0.71	1.49	1.00	1.00	1.00	3.55E-05	cm150h #10
79	150.00	62.13	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	2.06E-05	cm150h #11
80	150.00	98.62	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	6.20E-05	cm150h #12
81	200.00	18.39 35.93	290.00 290.00	330.00 330.00	310.00 310.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00	1.38E-04 3.31E-05	cm200l #1 cm200l #2
82 83	200.00	62.13	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	1.29E-04	cm200l #3
84	200.00	98.62	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	2.32E-04	cm200l #4
85	200.00	18.39	627.00	693.00	660.00	50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	5.40E-05 1.15E-04	cm200l #5 cm200l #6
86 87	200.00 200.00	35.93 62.13	627.00 627.00	693.00 693.00	660.00 660.00	50 50	0.71	1.49	1.00	1.00	1.00	9.68E-05	cm2001 #7
88	200.00	98.62	627.00	693.00	660.00	50	0.71	1.49	1.00	1.00	1.00	2.89E-04	cm200l #8
89	200.00	18.39	1217.00	1345.00	1281.00	50	0.71	1.49	1.00	1.00	1.00	2.08E-05	cm200l #9
90 91	200.00 200.00	35.93 62.13	1217.00 1217.00	1345.00 1345.00	1281.00 1281.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	4.17E-06 1.68E-05	cm200l #10 cm200l #11
92	200.00	98.62	1217.00	1345.00	1281.00	50	0.71	1.49	1.00	1.00	1.00	2.51E-05	cm200l #12
93	200.00	35.93	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	1.21E-04	cm200h #1
94	200.00	62.13	2472.00	2732.00	2602.00 2602.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	8.84E-06 5.02E-05	cm200h #2 cm200h #3
95 96	200.00 200.00	98.62 35.93	2472.00 4908.00	2732.00 5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00	2.21E-05	cm200h #4
97	200.00	62.13	4908.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00	2.08E-06	cm200h #5
98	200.00	98.62	4908.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00 1.00	1.00 1.00	1.77E-05 7.54E-06	cm200h #6 cm200h #7
99 100	200.00	35.93 62.13	7381.00 7381.00	8157.00 8157.00	7769.00 7769.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00	1.00	3.43E-06	cm200h #8
101	200.00	98.62	7381.00	8157.00	7769.00	50	0.71	1.49	1.00	1.00	1.00	2.19E-05	cm200h #9
102	200.00	35.93	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	1.17E-04	cm200h #10
103	200.00	62.13	9852.00 9852.00	10890.00 10890.00	10371.00 10371.00	50 50	0.71 0.71	1.49 1.49	1.00		1.00	1.17E-05 1.74E-05	cm200h #11 cm200h #12
104 105	200.00 220.00	98.62 35.93	4908.00	5424.00	5166.00	50	0.71	1.49	1.00		1.00	6.53E-06	cm212ha #1
106	220.00	62.13	4908.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00	2.15E-06	cm212ha #2
107	220.00	35.93	6163.00	6811.00	6487.00	50	0.71	1.49	1.00	1.00	1.00	1.19E-05	cm212ha #3
108 109	220.00 250.00	62.13 18.39	6163.00 290.00	6811.00 330.00	6487.00 310.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.71E-05 1.60E-04	cm212ha #4 cm250l #1
110	250.00	35.93	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	3.97E-04	cm250l #2
111	250.00	62.13	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	8.46E-05	cm250l #3
112	250.00	98.62	290.00	330.00 693.00	310.00 660.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.04E-04 5.09E-04	cm2501 #4 cm2501 #5
113 114	250.00 250.00	18.39 35.93	627.00 627.00	693.00	660.00	50 50		1.49	1.00	1.00	1.00	3.97E-04	cm250t #6
115	250.00	62.13	627.00	693.00	660.00	50	0.71	1.49	1.00	1.00	1.00	5.23E-04	cm250l #7
116	250.00	98.62	627.00	693.00	660.00	50	0.71	1.49	1.00	1.00	1.00	1.53E-04 1.61E-04	cm250l #8 cm250l #9
117 118	250.00 250.00	18.39 35.93	693.00 693.00	627.00 627.00	660.00 660.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.94E-04	cm2501 #9
119	250.00	62.13	693.00	627.00	660.00	50	0.71	1.49	1.00	1.00	1.00	2.12E-04	cm250l #11
120	250.00	98.62	693.00	627.00	660.00	50	0.71	1.49	1.00	1.00	1.00	6.10E-04	cm250l #12

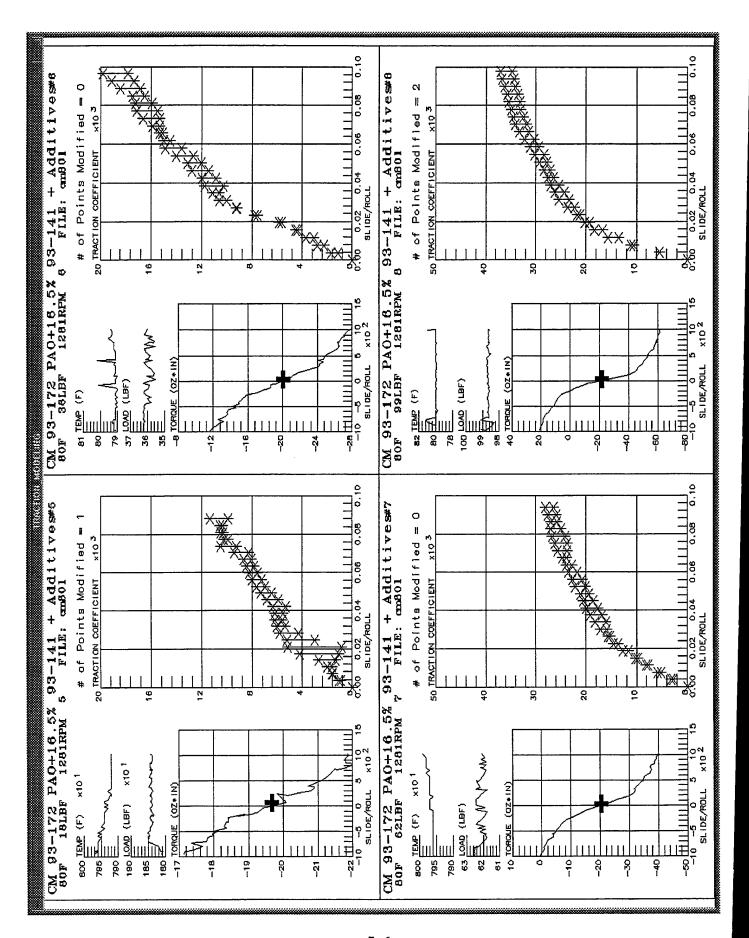
Data set: CM 93-172 PAO+16.5% 93-141 + Additivescontinued

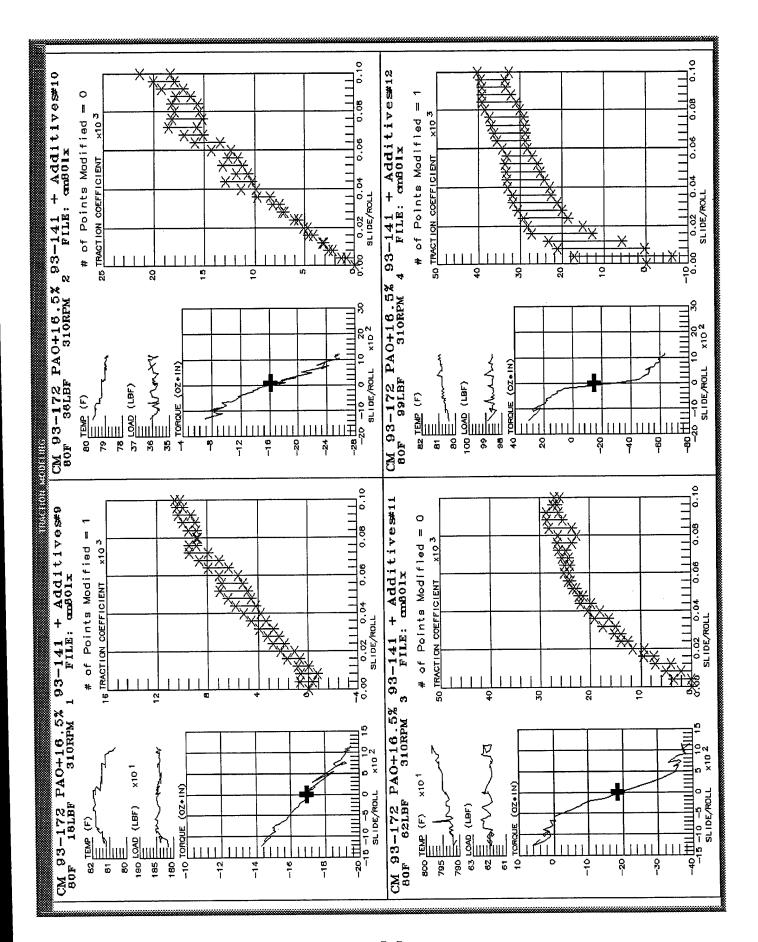
	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	0 Load1	alibra Load2	tion F Rpm1	actors Rpm2	Torq	SqDev	Dataset/Test #
121 122 123 124 125 126 127 128 129	250.00 250.00 250.00 250.00 250.00 250.00 250.00 250.00 250.00	18.39 35.93 62.13 98.62 35.93 62.13 98.62 35.93 62.13	1217.00 1217.00 1217.00 1217.00 2472.00 2472.00 2472.00 4908.00 4908.00	1345.00 1345.00 1345.00 1345.00 2732.00 2732.00 2732.00 5424.00	1281.00 1281.00 1281.00 1281.00 2602.00 2602.00 2602.00 5166.00 5166.00	50 50 50 50 50 50 50 50	0.71 0.71 0.71 0.71 0.71 0.71 0.71 0.71	1.49 1.49 1.49 1.49 1.49 1.49 1.49 1.49	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00	4.01E-05 1.46E-05 1.09E-05 2.21E-05 3.21E-05 5.33E-06 2.74E-05 1.17E-05 5.72E-06	cm2501 #13 cm2501 #14 cm2501 #15 cm2501 #16 cm250h #1 cm250h #2 cm250h #3 cm250h #4 cm250h #5
130 131	250.00 250.00	98.62 35.93	4908.00 7381.00	5424.00 8157.00	5166.00 7769.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00	1.00 1.00	6.25E-06 2.61E-05	cm250h #6 cm250h #7
132	250.00	62.13	7381.00	8157.00	7769.00	50	0.71	1.49	1.00	1.00	1.00	1.88E-06	cm250h #8
133	250.00	98.62	7381.00	8157.00	7769.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.46E-06 3.37E-05	cm250h #9 cm250h #10
134 135	250.00 250.00	35.93 62.13	9852.00 9852.00	10890.00 10890.00	10371.00 10371.00	50 50	0.71	1.49	1.00	1.00	1.00	2.33E-06	cm250h #11
136	250.00	98.62	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	6.26E-06	cm250h #12
137	300.00	35.93	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	5.57E-04	cm300l #1
138	300.00	62.13	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	7.19E-04	cm3001 #2
139	300.00	98.62	290.00	330.00	310.00	50	0.71	1.49	1.00	1.00	1.00	7.35E-04	cm300l #3 cm300l #4
140	300.00	35.93	627.00	693.00	660.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	4.75E-04 2.43E-04	cm3001 #5
141	300.00	62.13	627.00	693.00	660.00 660.00	50 50	0.71	1.49	1.00	1.00	1.00	6.76E-05	cm3001 #6
142	300.00	98.62 35.93	627.00 1217.00	693.00 1345.00	1281.00	50	0.71	1.49	1.00	1.00	1.00	1.07E-05	cm3001 #7
143 144	300.00 300.00	62.13	1217.00	1345.00	1281.00	49	0.71	1.49	1.00	1.00	1.00	3.32E-06	cm3001 #8
145	300.00	98.62	1217.00	1345.00	1281.00	50	0.71	1.49	1.00	1.00	1.00	1.59E-05	cm3001 #9
146	300.00	18.39	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	6.31E-05	cm300h #1
147	300.00	35.93	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	3.21E-06	cm300h #2
148	300.00	62.13	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	3.15E-06	cm300h #3
149	300.00	98.62	2472.00	2732.00	2602.00	50	0.71	1.49	1.00	1.00	1.00	2.41E-06	cm300h #4
150	300.00	18.39	4908.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00	2.43E-05 6.64E-06	cm300h #5 cm300h #6
151	300.00	35.93	4908.00	5424.00	5166.00	50	0.71	1.49	1.00	1.00	1.00 1.00	9.24E-06	cm300h #7
152	300.00	62.13	4908.00	5424.00	5166.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00	1.00	8.54E-06	cm300h #8
153	300.00	98.62	4908.00 7381.00	5424.00 8157.00	5166.00 7769.00	50 50	0.71	1.49	1.00	1.00	1.00	6.32E-05	cm300h #9
154 155	300.00 300.00	18.39 35.93	7381.00	8157.00	7769.00	50	0.71	1.49	1.00	1.00	1.00	1.30E-05	cm300h #10
156	300.00	62.13	7381.00	8157.00	7769.00	50	0.71	1.49	1.00	1.00	1.00	3.57E-06	cm300h #11
157	300.00	98.62	7381.00	8157.00	7769.00	50	0.71	1.49	1.00	1.00	1.00	2.91E-06	cm300h #12
158	300.00	18.39	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	5.17E-05	cm300h #13
159	300.00	35.93	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	2.38E-05	cm300h #14
160	300.00	62.13	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	2.40E-06	cm300h #15
161	300.00	98.62	9852.00	10890.00	10371.00	50	0.71	1.49	1.00	1.00	1.00	5.08E-06	cm300h #16

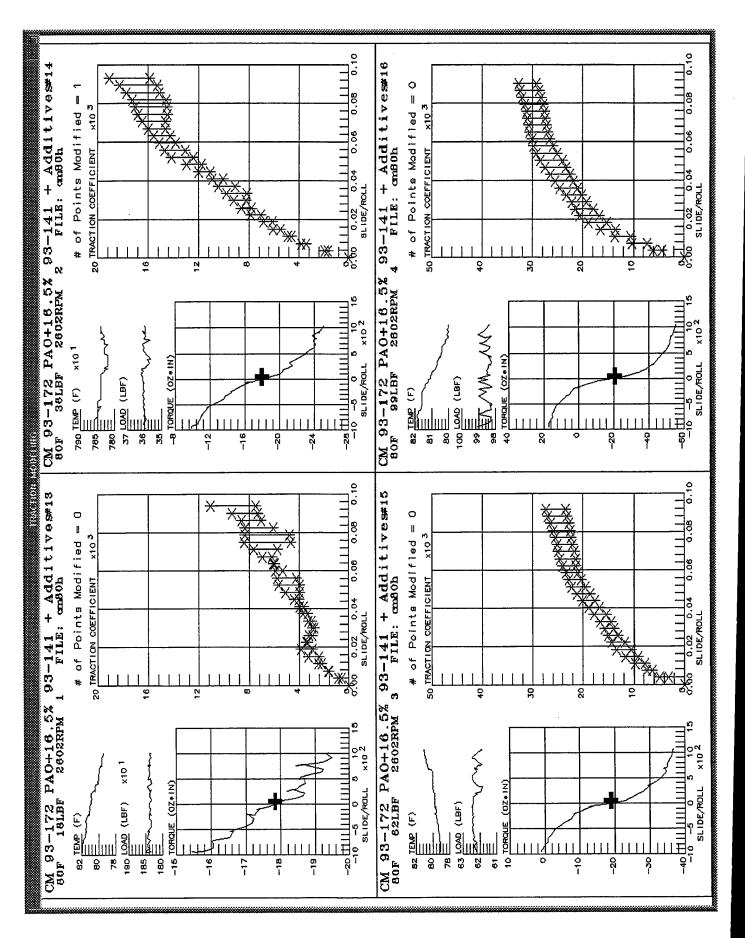
Summary of Select Data Files

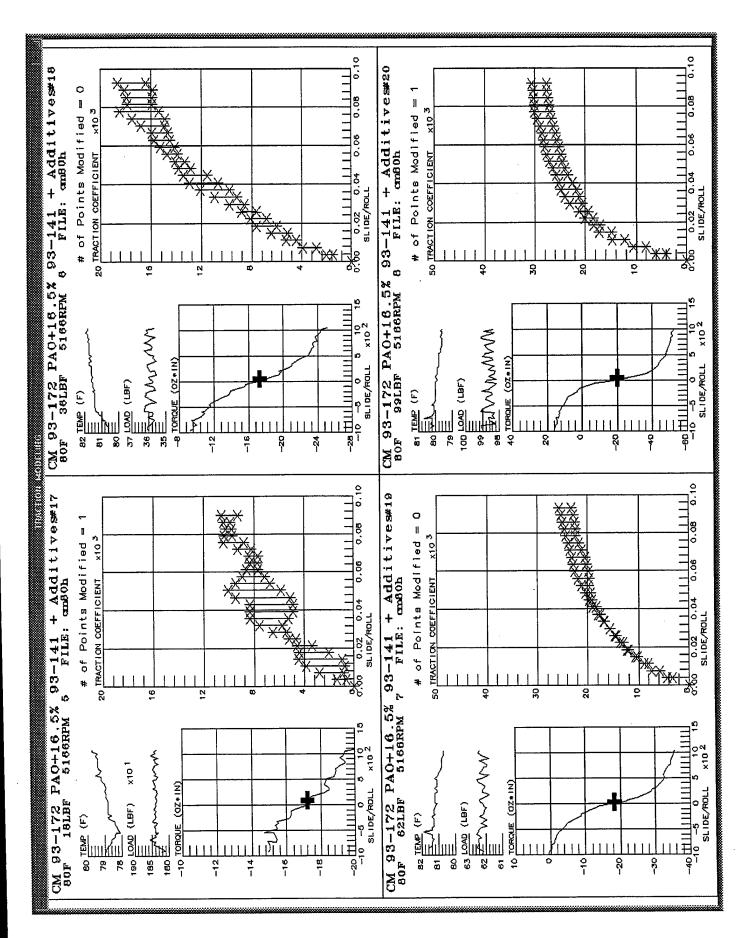
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cm2.dat	80.00	2602.00	14 15 16
cm3.dat	80.00	5166.00	18 19 20
cm4.dat	80.00	7769.00	22 23 24
cm5.dat	80.00	10371.00	26 27 28
cm6.dat	100.00	1281.00	38 39 40
cm7.dat	100.00	2602.00	42 43 44
cm8.dat	100.00	5166.00	46 47 48
cm9.dat	100.00	7769.00	50 51 52
cm10.dat	100.00	10371.00	54 55 56
cm11.dat	150.00	1281.00	66 67 68
cm12.dat	150.00	2602.00	69 70 71
cm13.dat	150.00	5166.00	72 73 74
cm14.dat	150.00	7769.00	75 76 77
cm15.dat	150.00	10371.00	78 79 80
cm16.dat	200.00	1281.00	90 91 92
cm17.dat	200.00	2602.00	93 94 95
cm18.dat	200.00	5166.00	96 97 98
cm19.dat	200.00	7769.00	99 100 101
cm20.dat	200.00	10371.00	102 103 104
cm21.dat	250.00	1281.00	122 123 124
cm22.dat	250.00	2602.00	125 126 127
cm23.dat	250.00	5166.00	128 129 130
cm24.dat	250.00	7769.00	131 132 133
cm25.dat	250.00	10371.00	134 135 136
cm26.dat	300.00	1281.00	143 144 145
cm27.dat	300.00	2602.00	147 148 149
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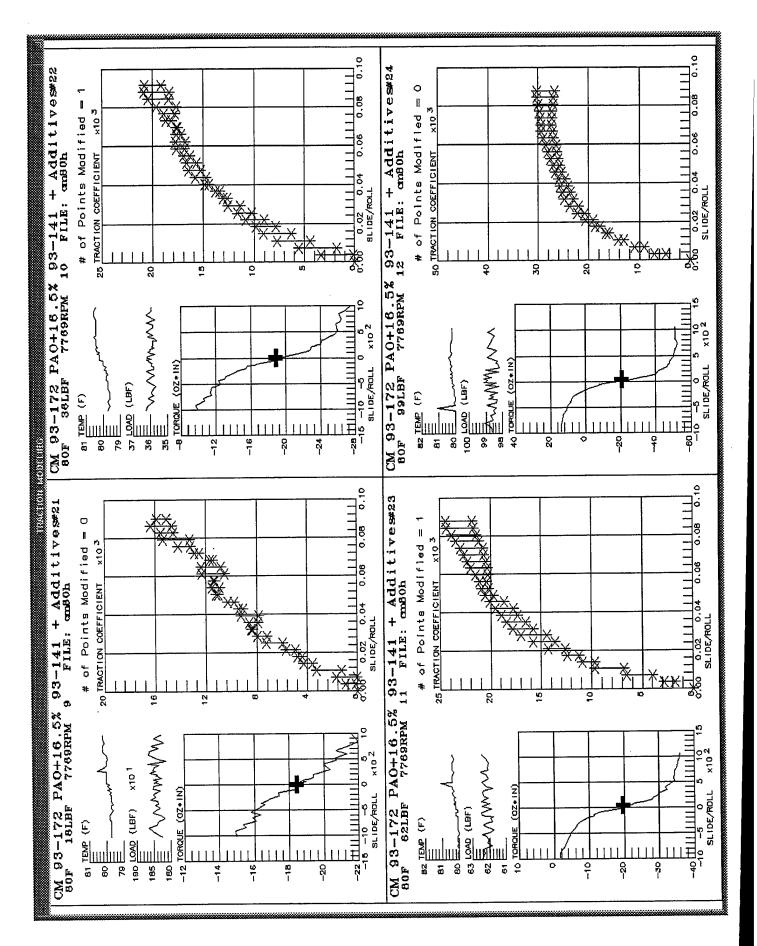


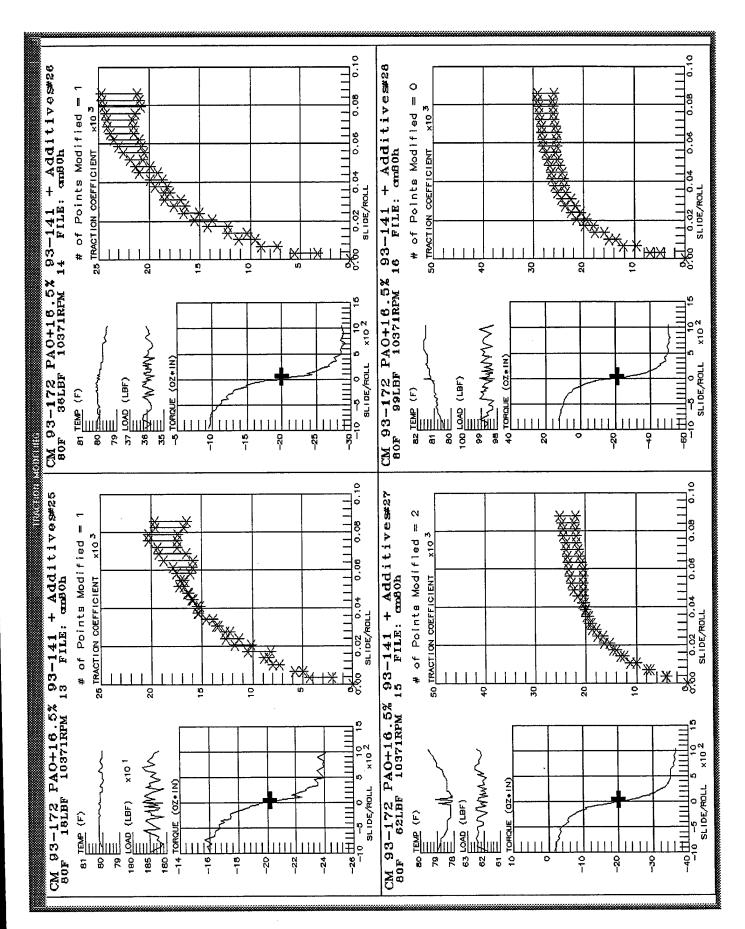


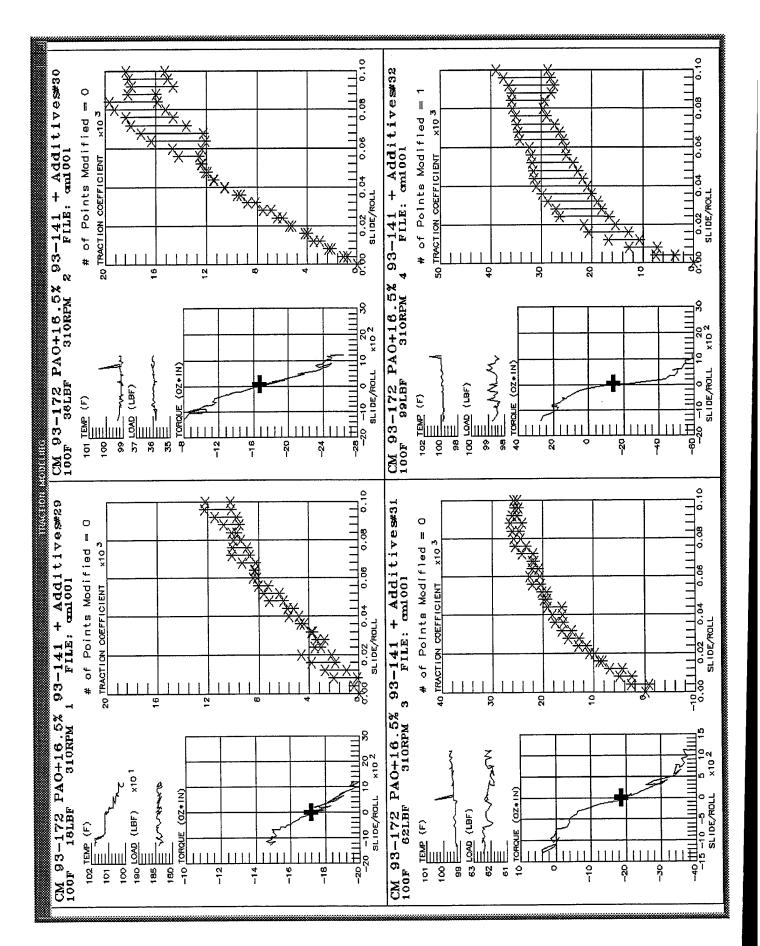


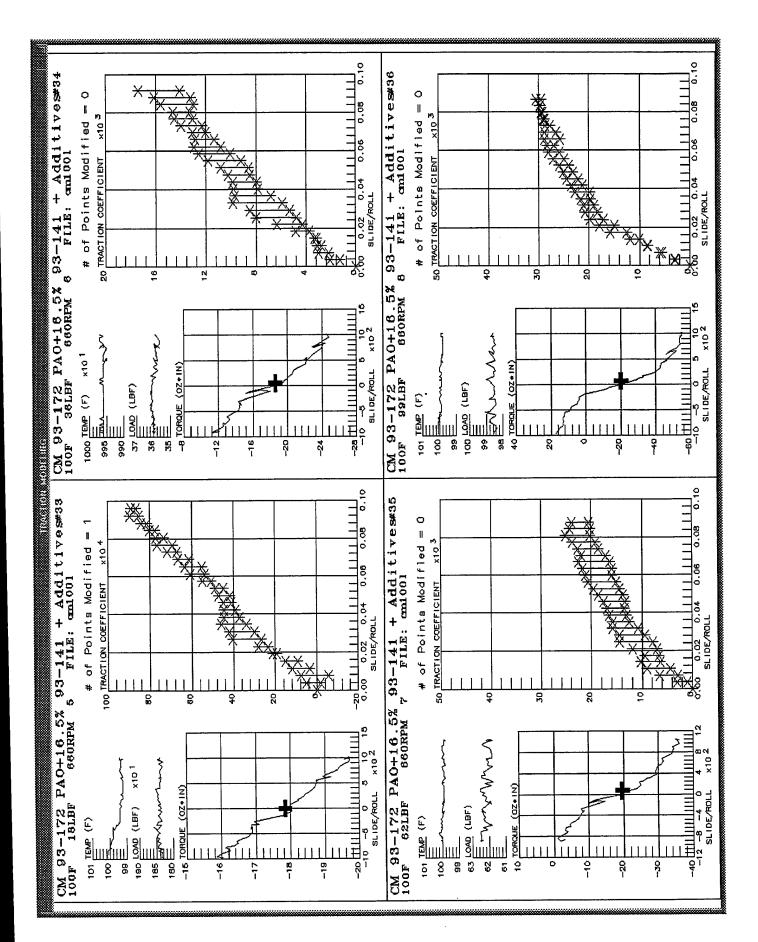


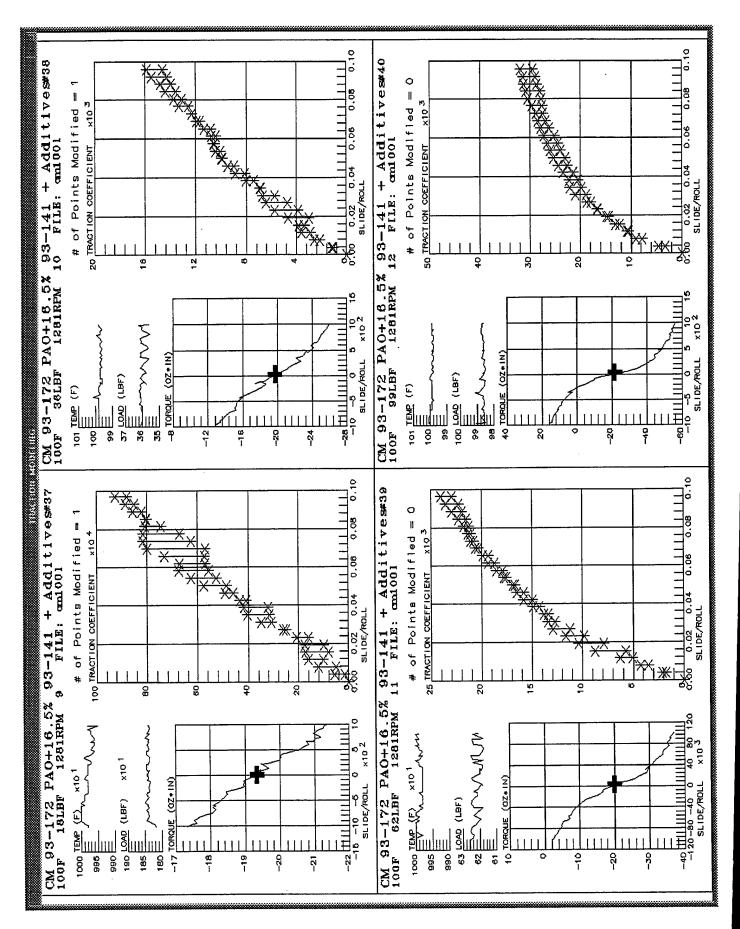


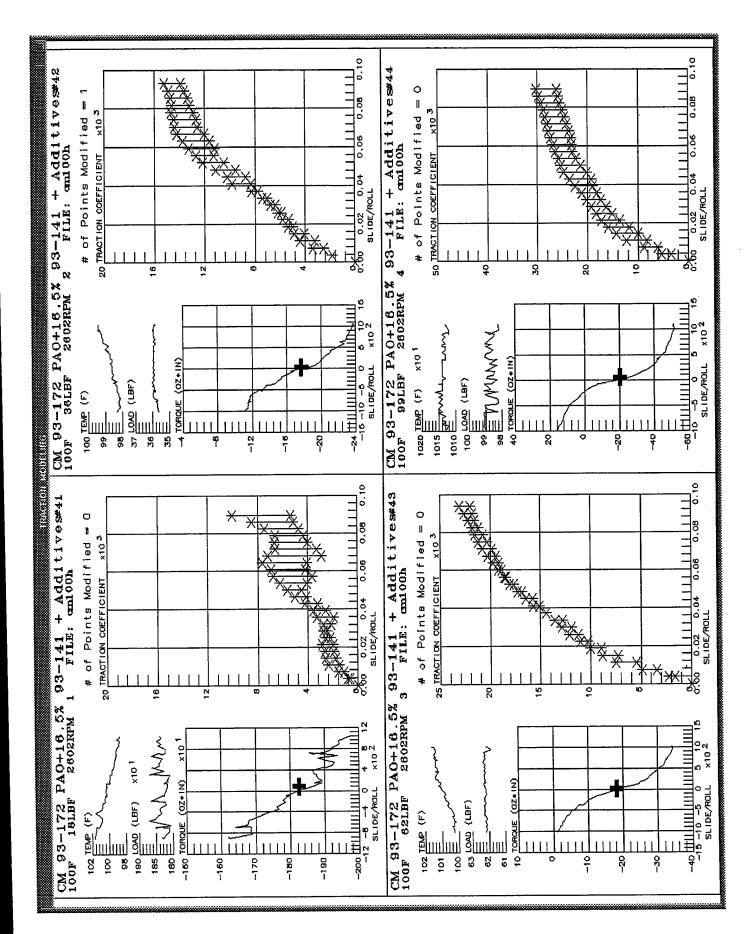


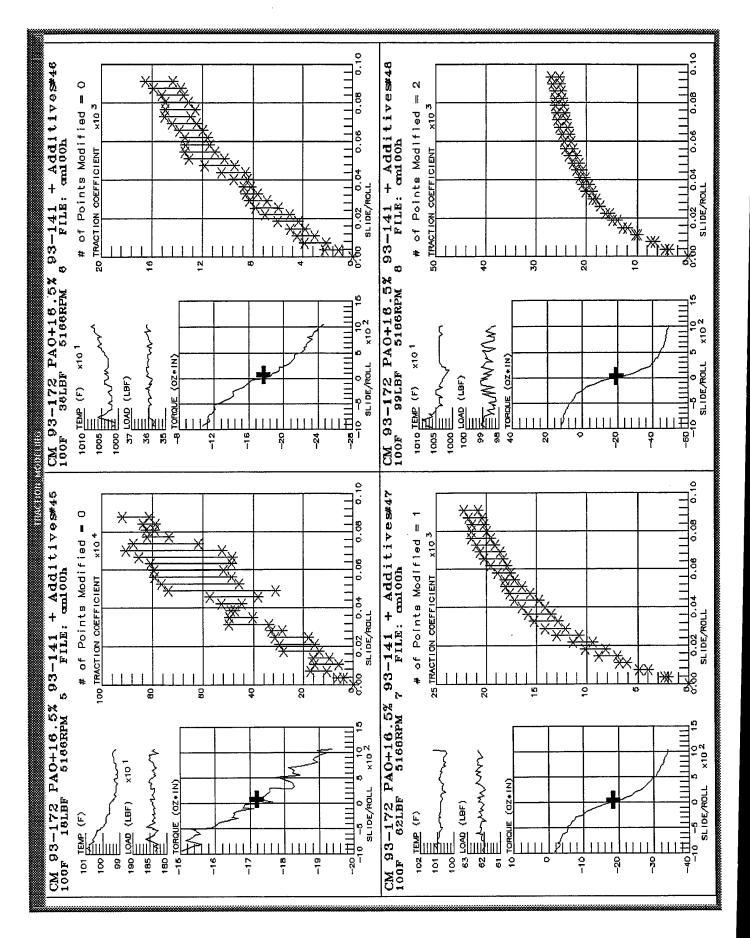


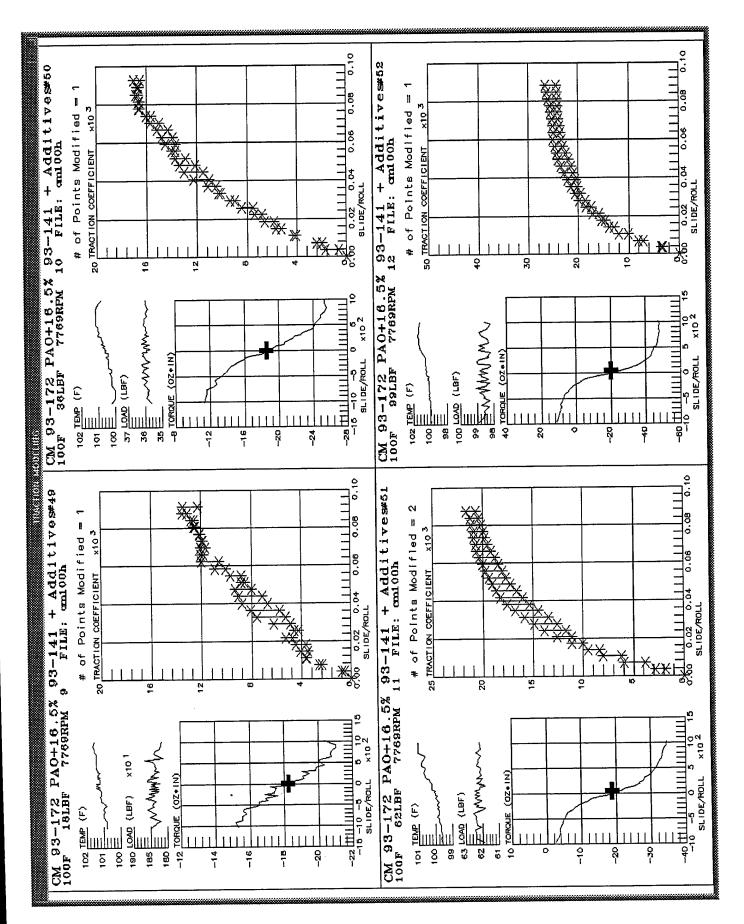


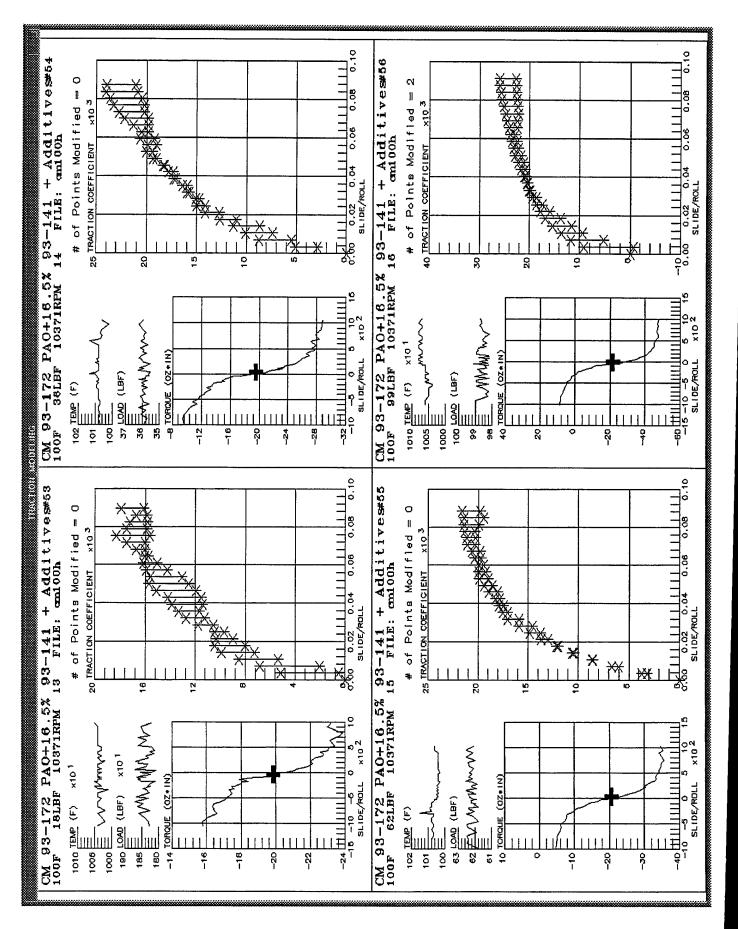


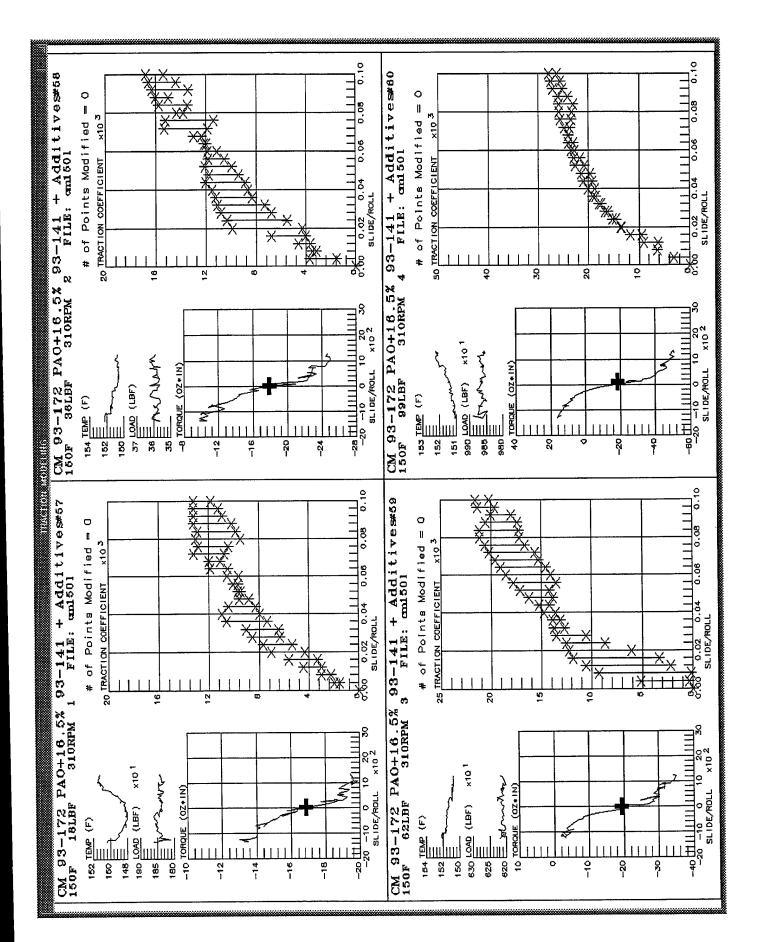


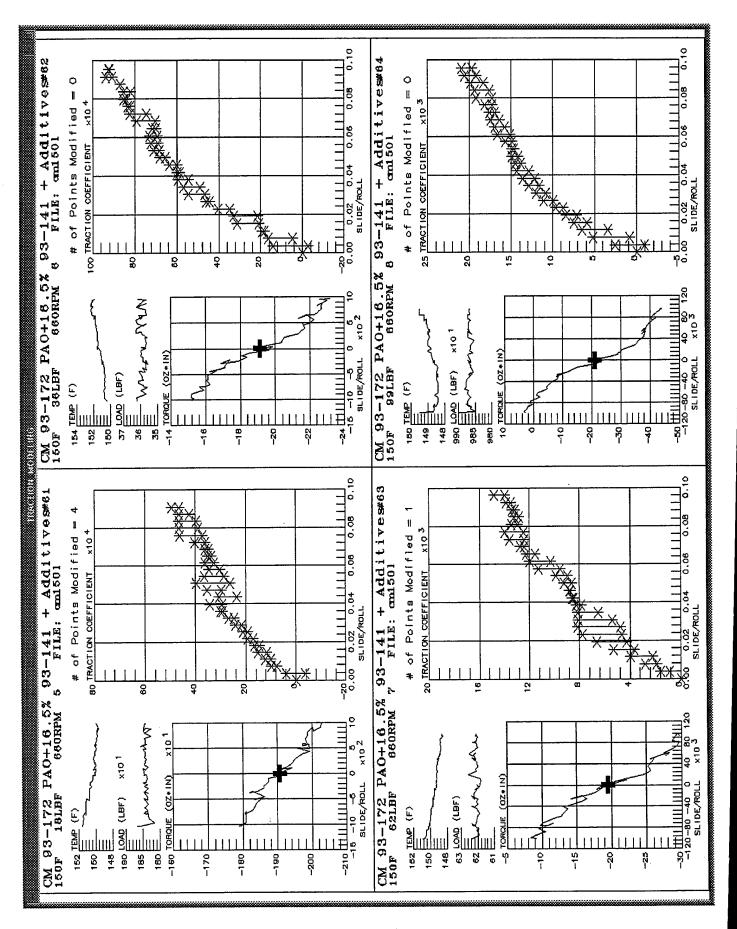


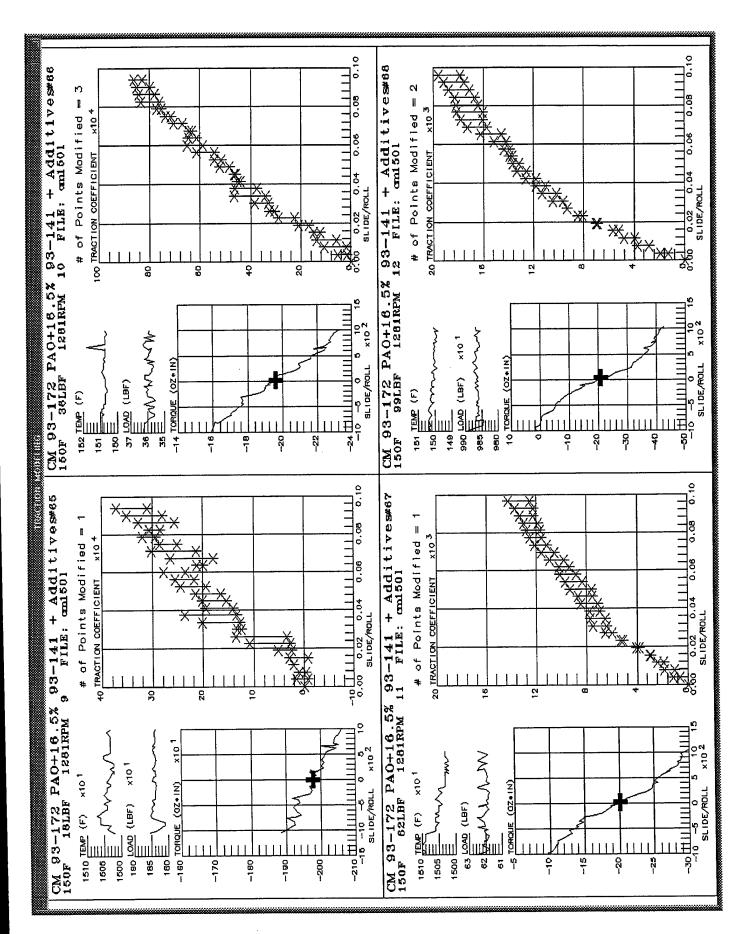


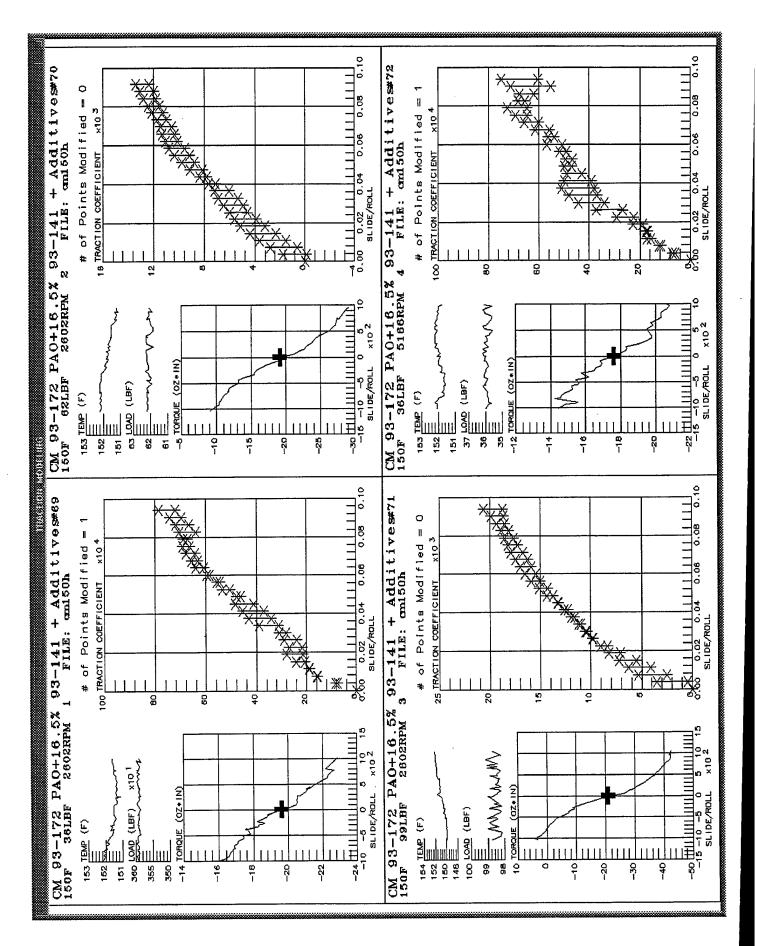


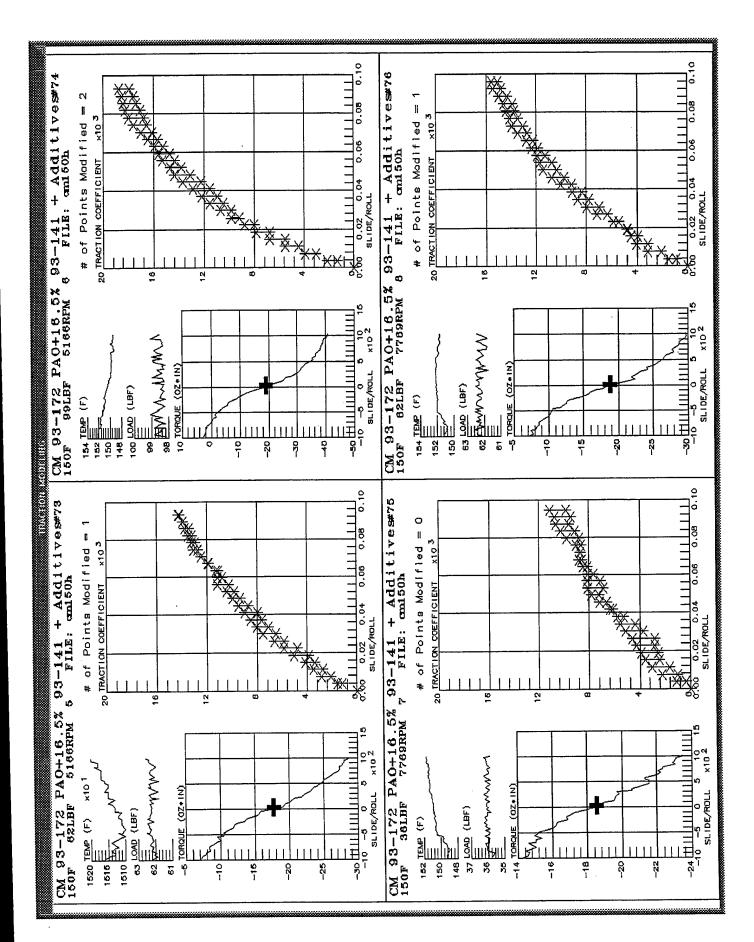


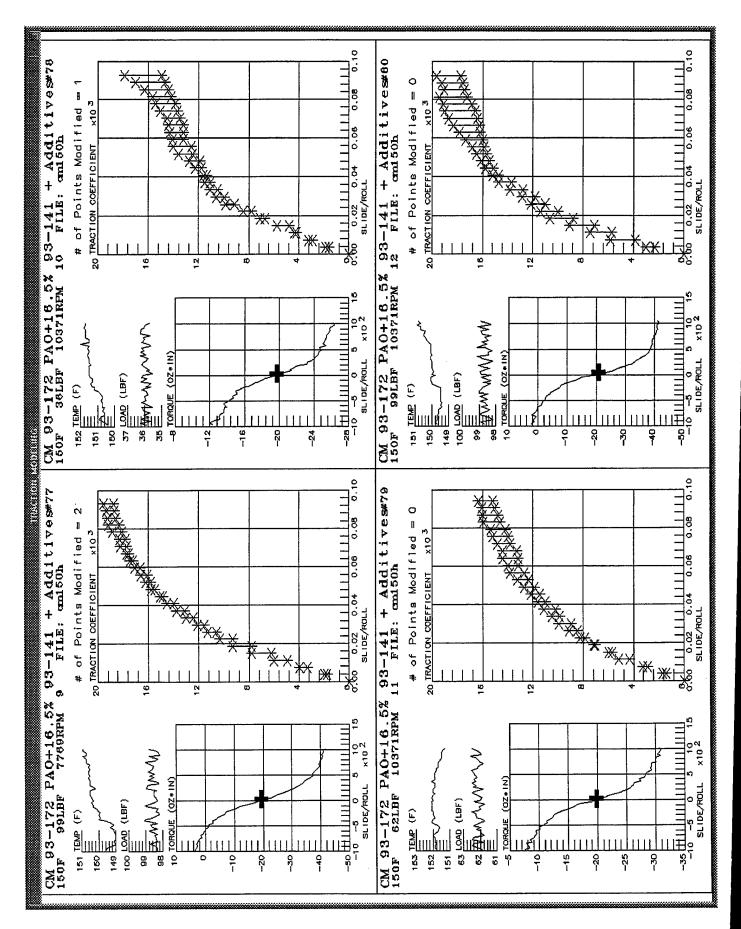


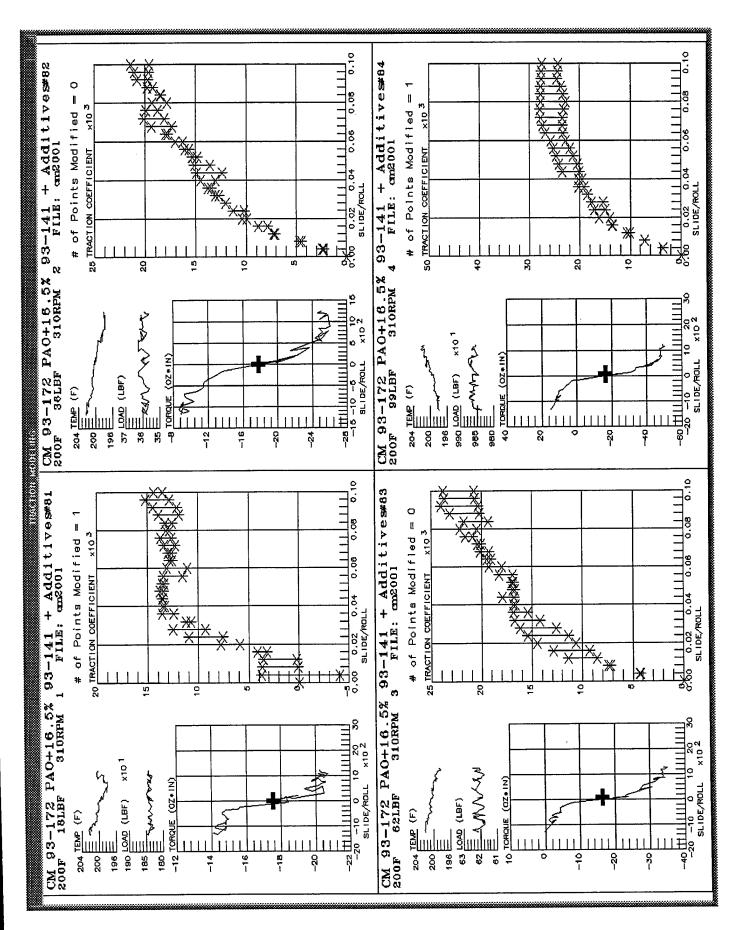


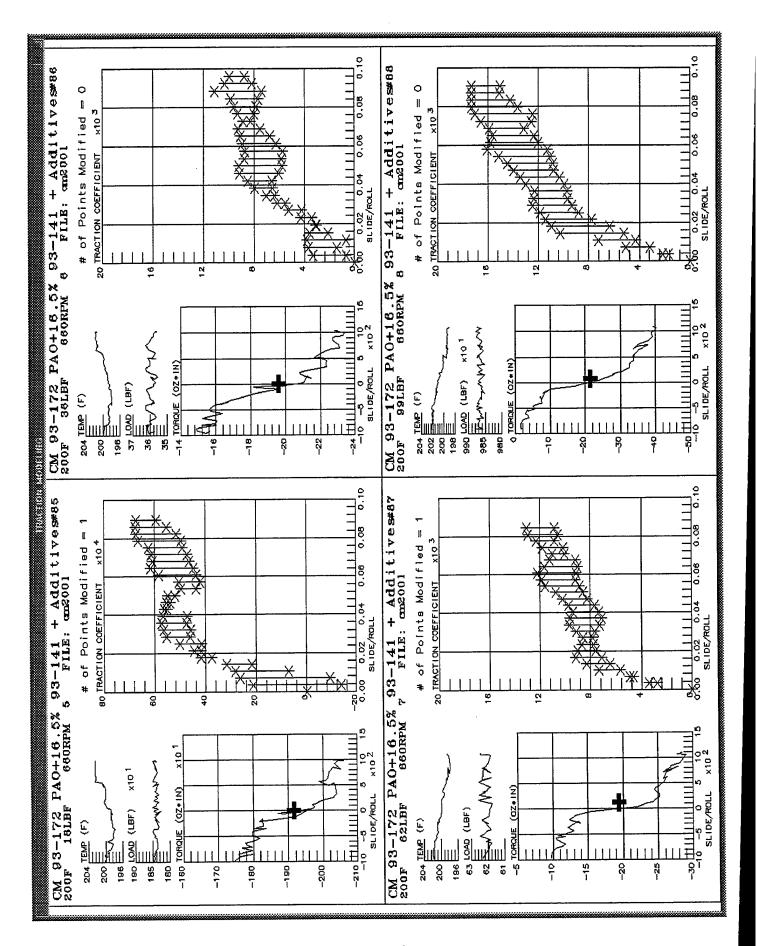


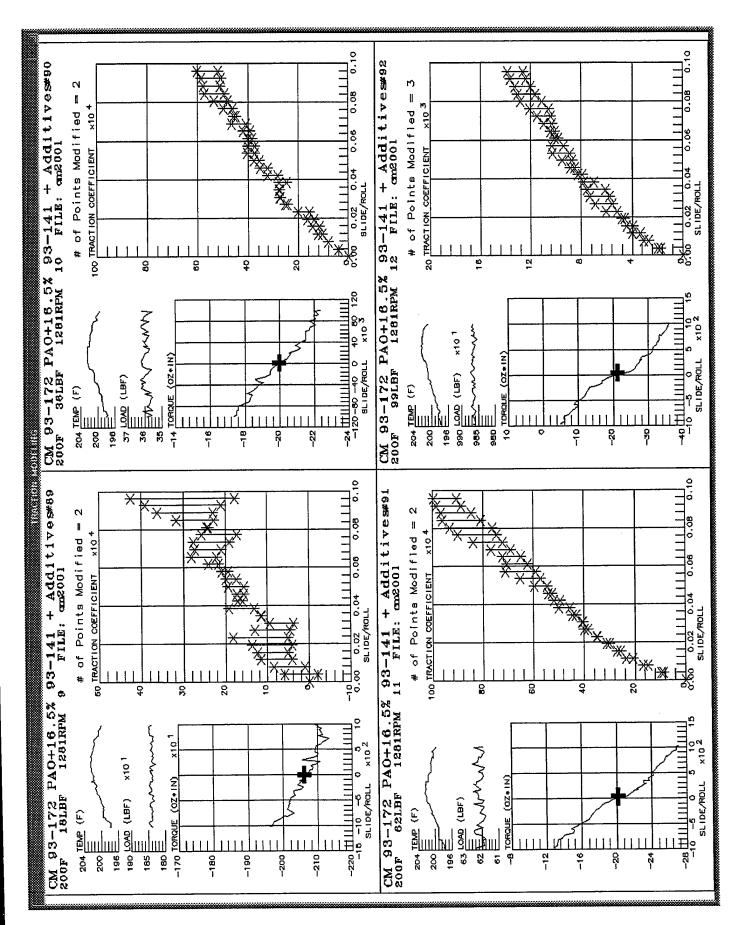


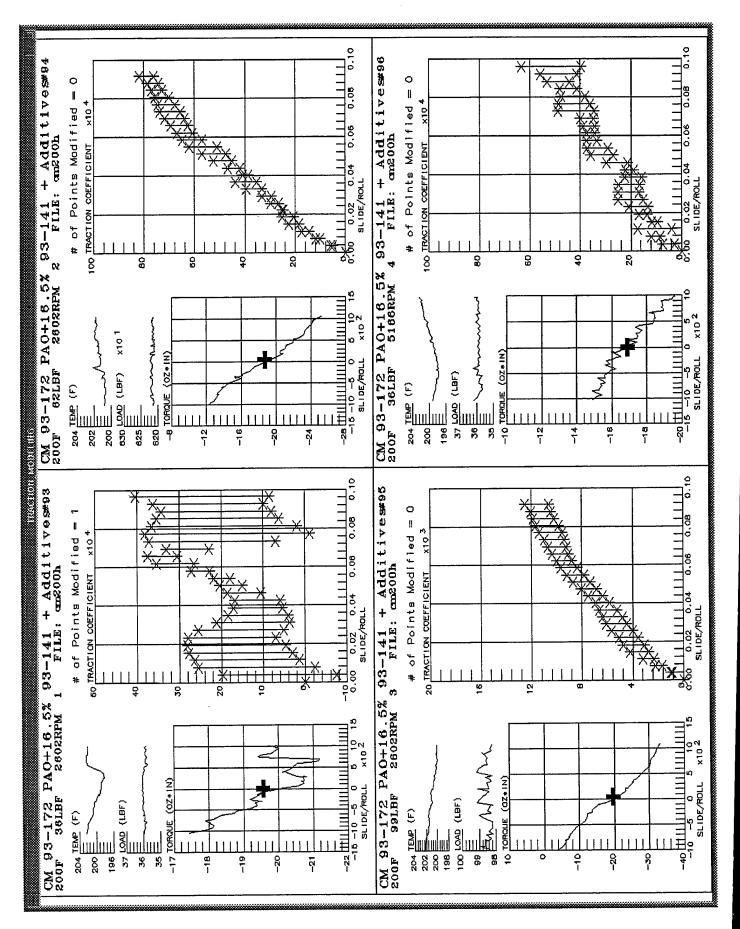


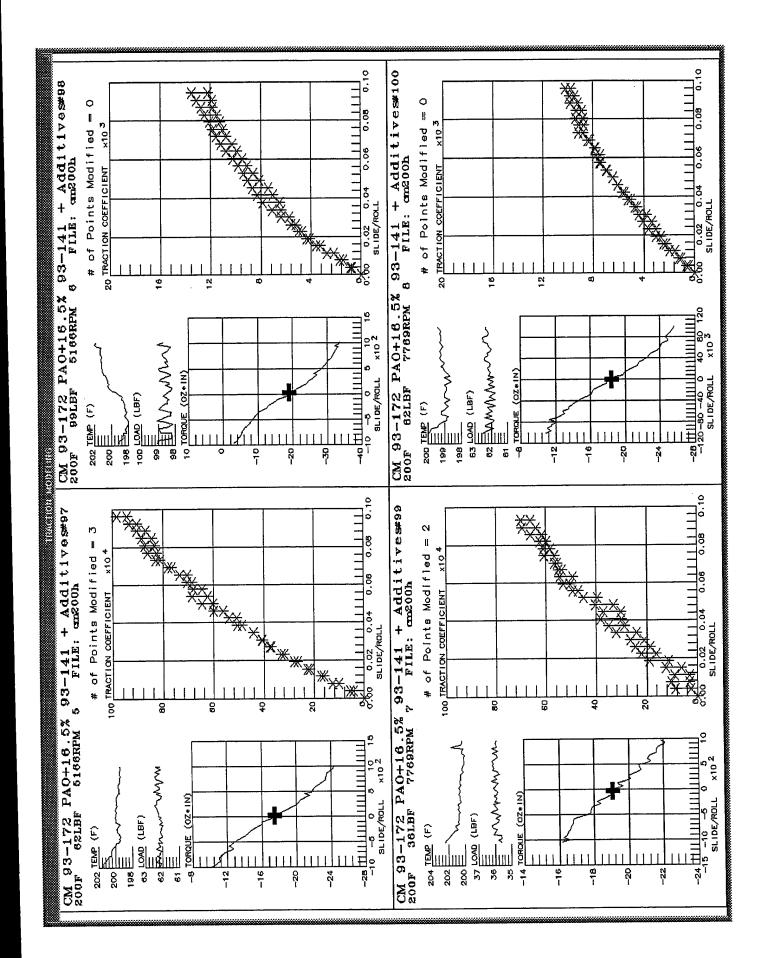


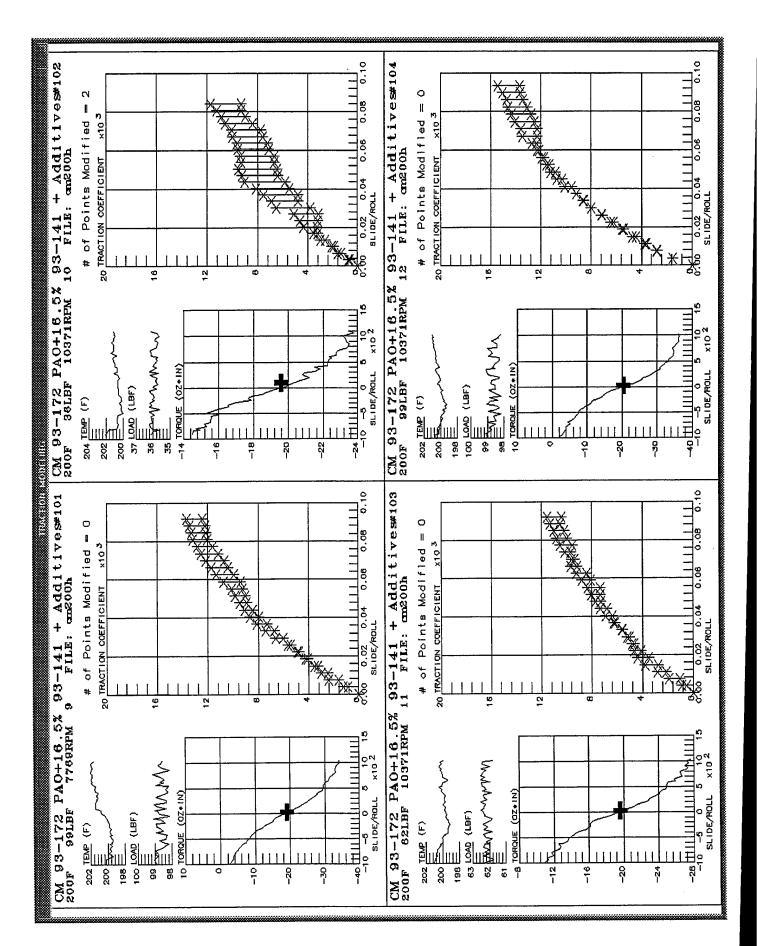


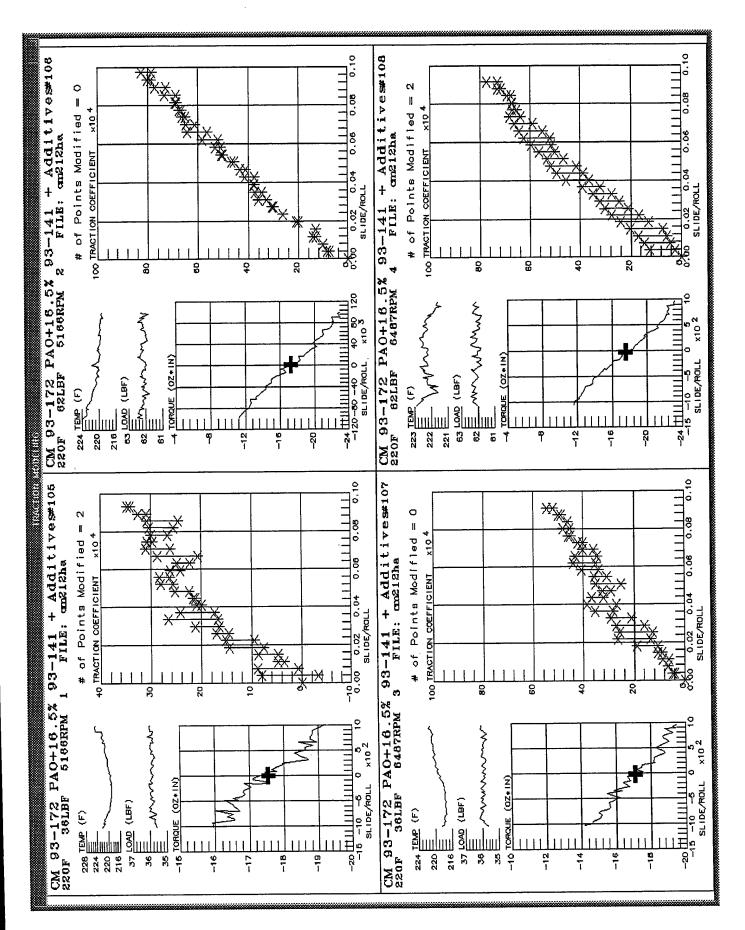


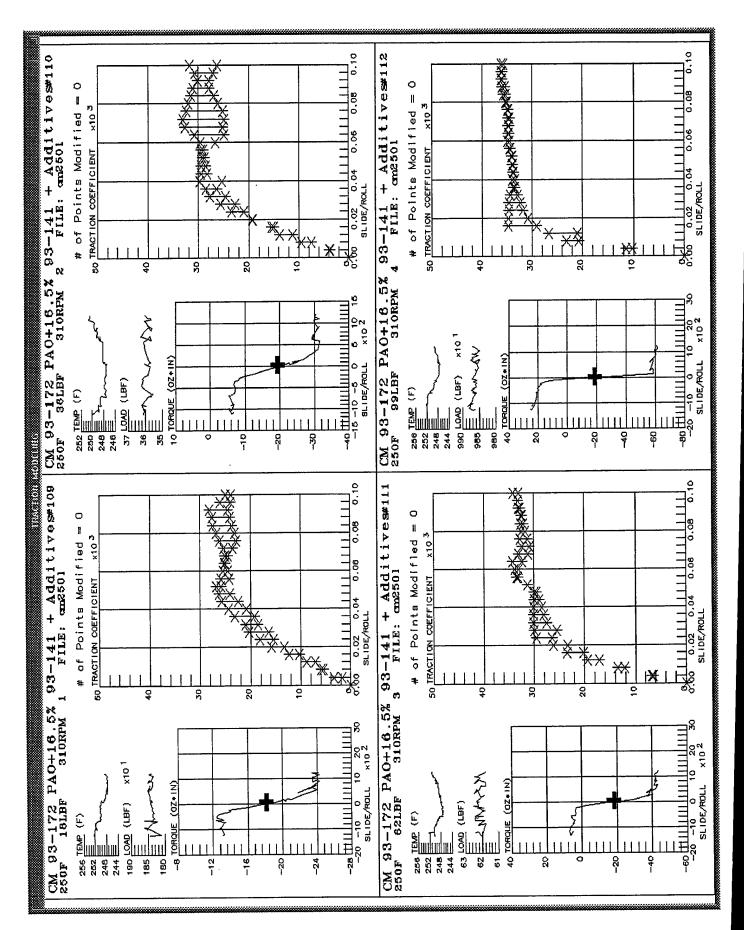


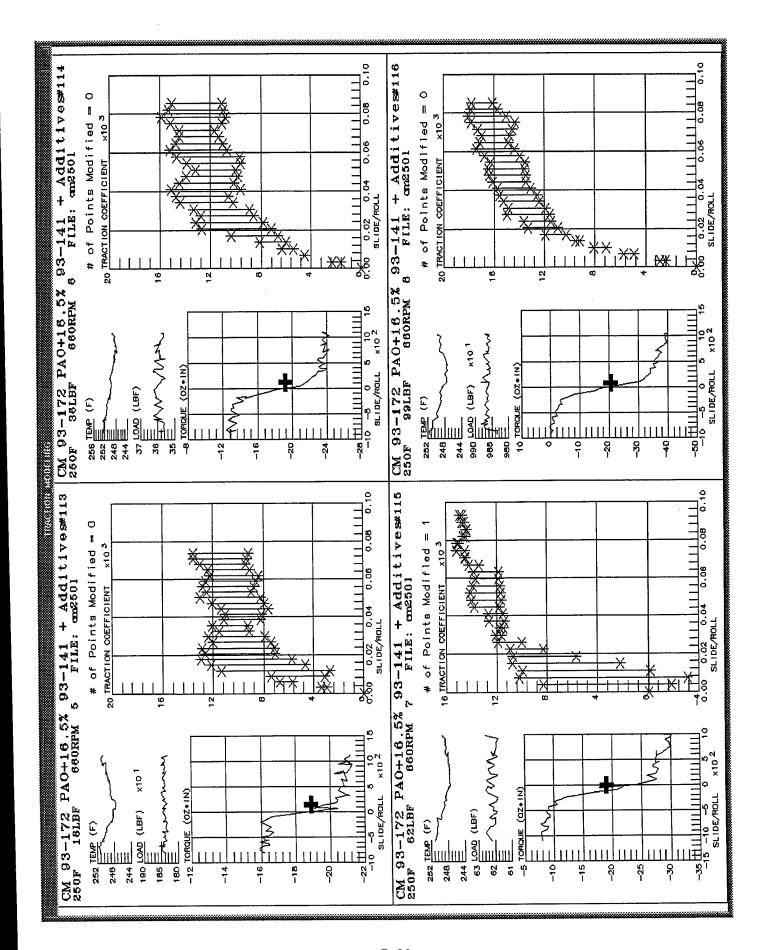


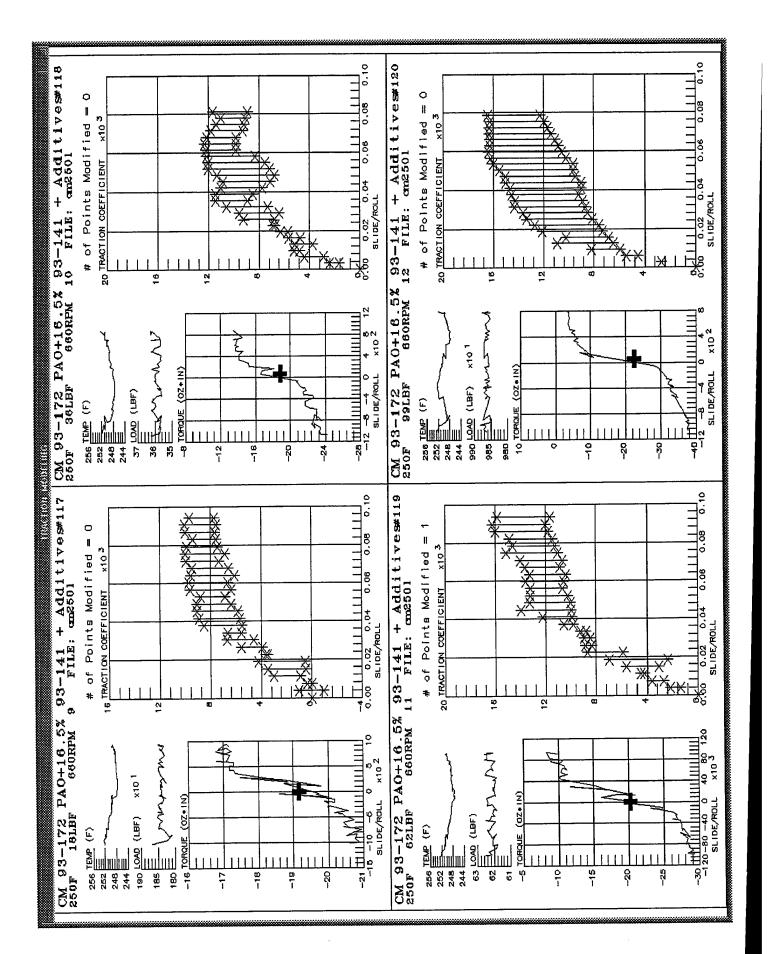


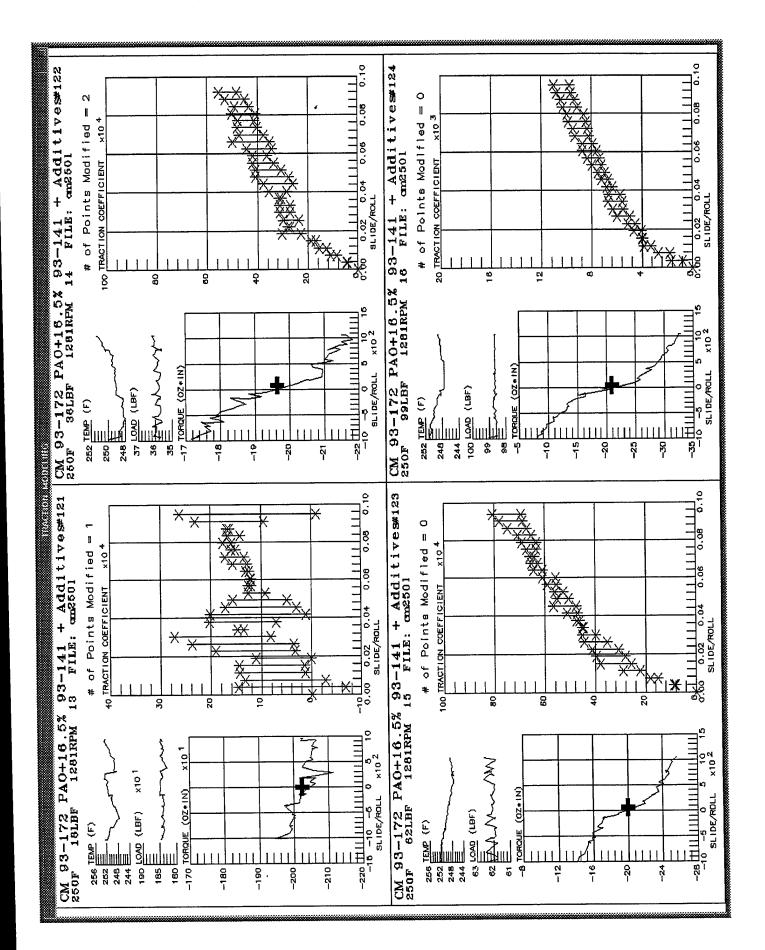


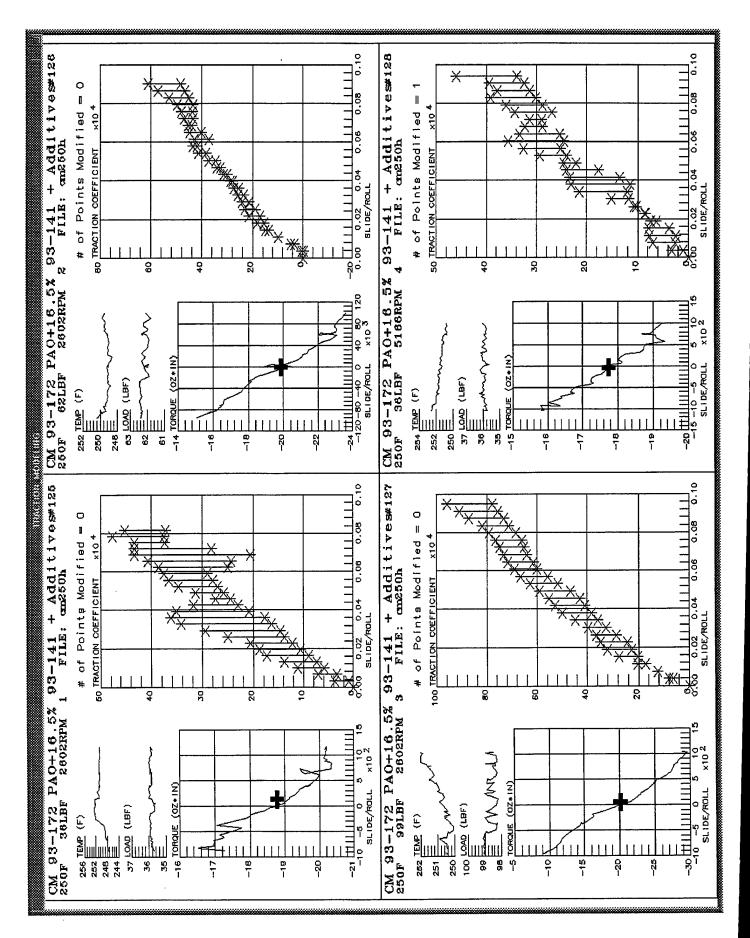


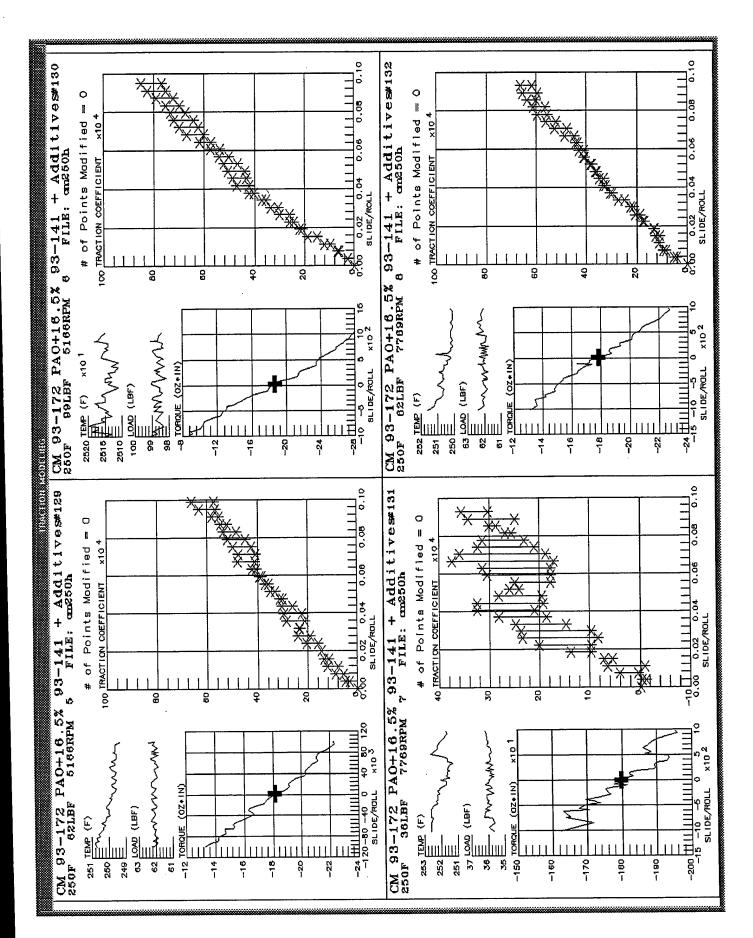


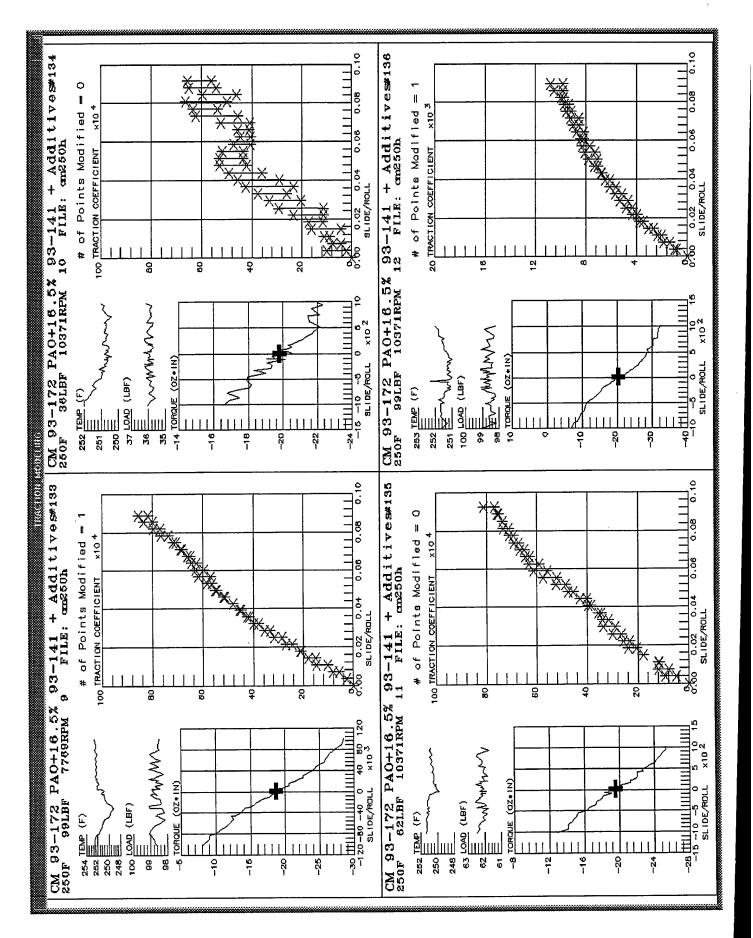


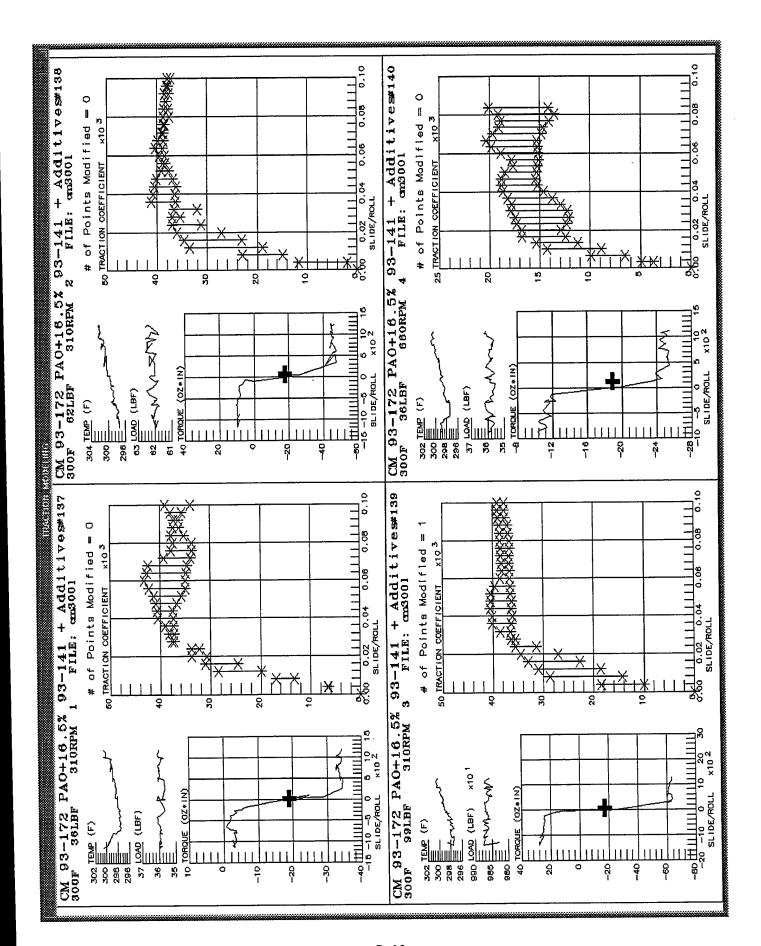


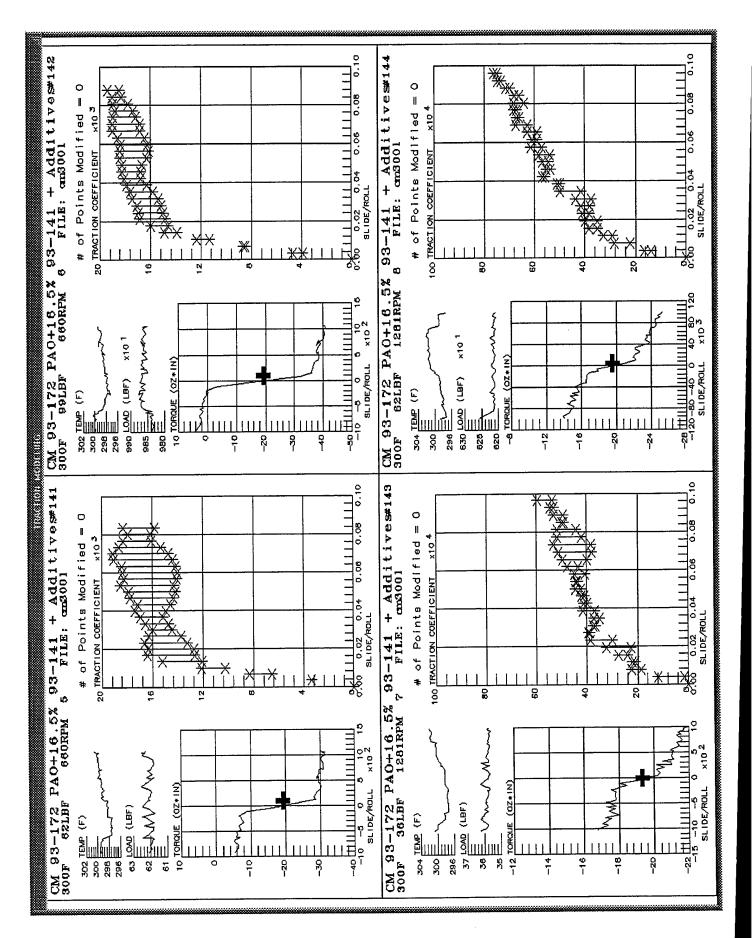


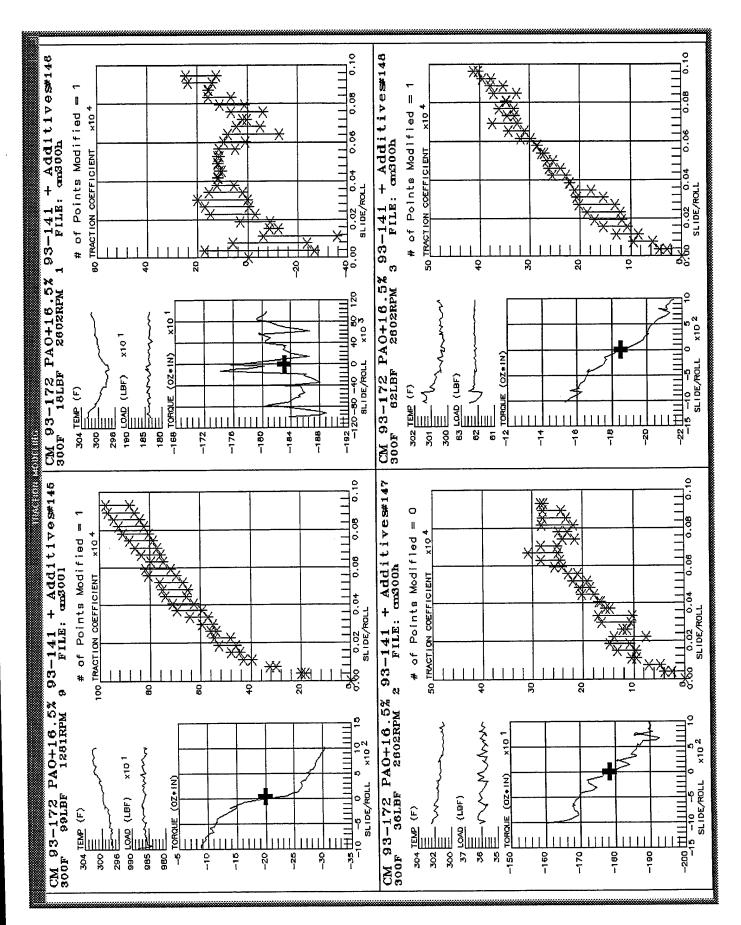


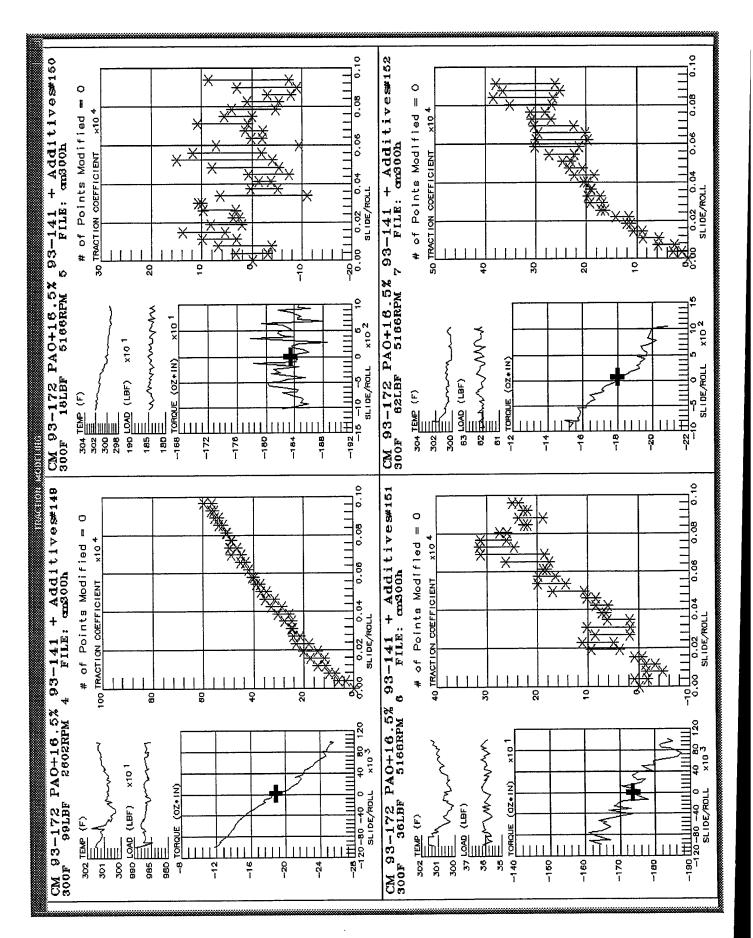


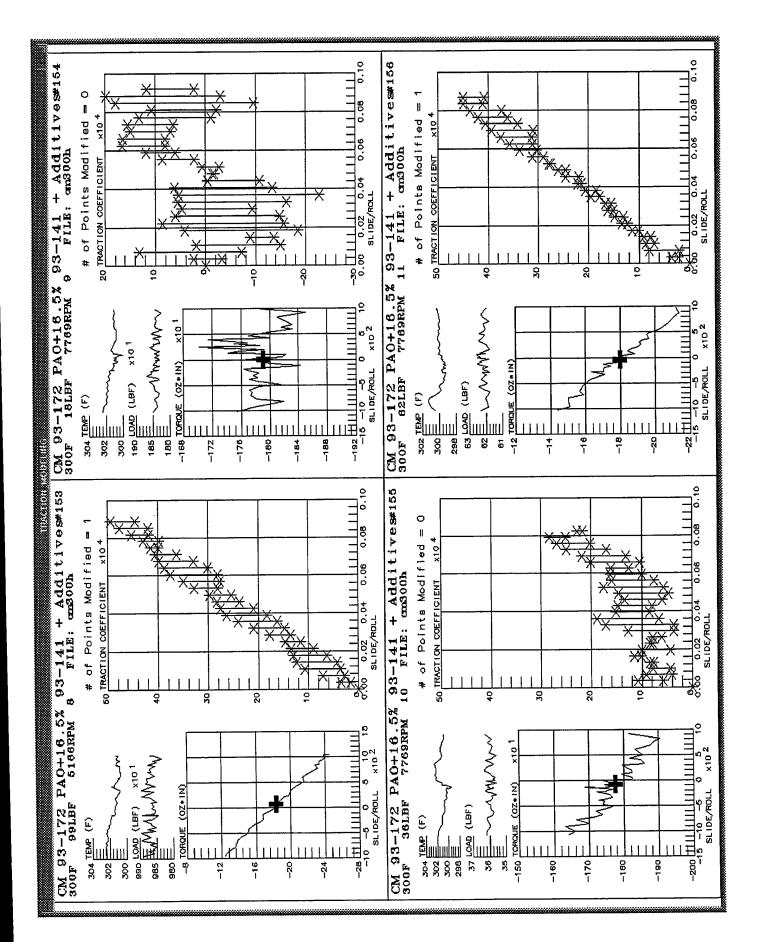


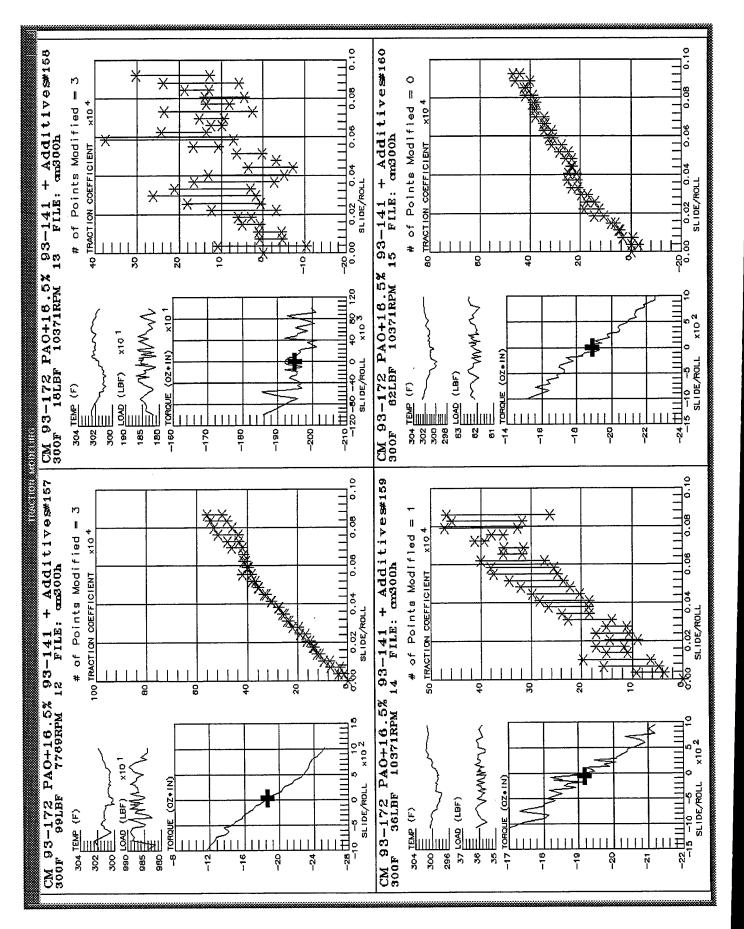


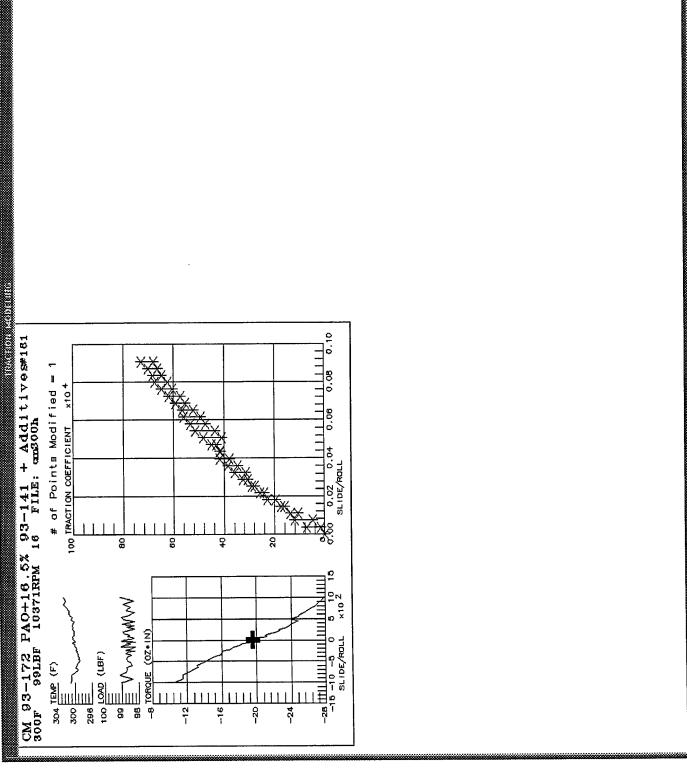






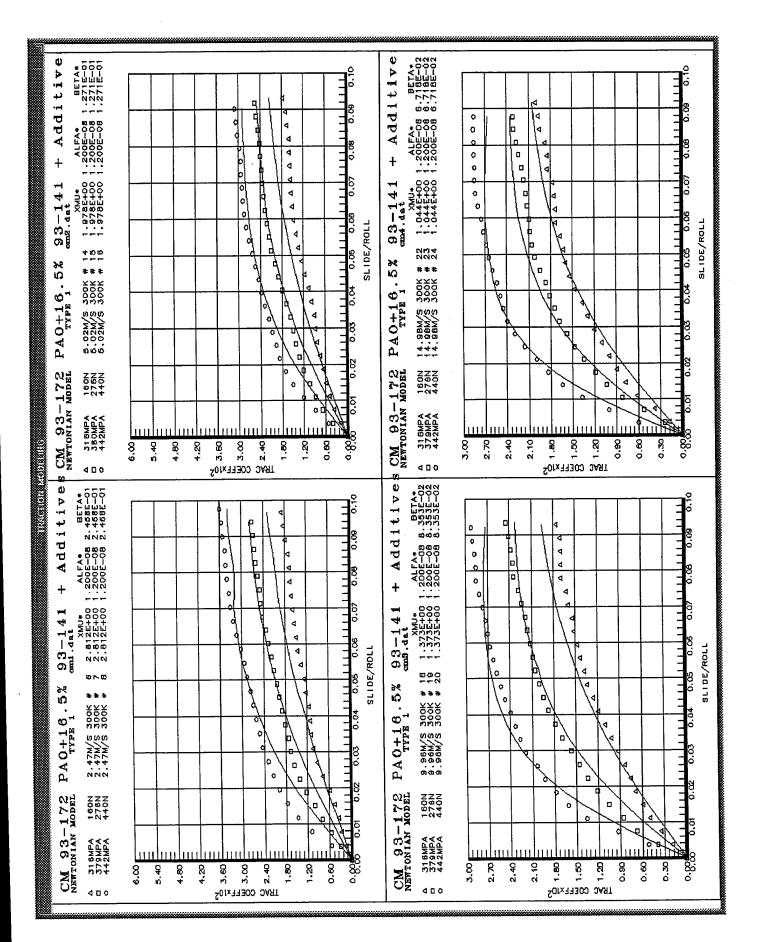


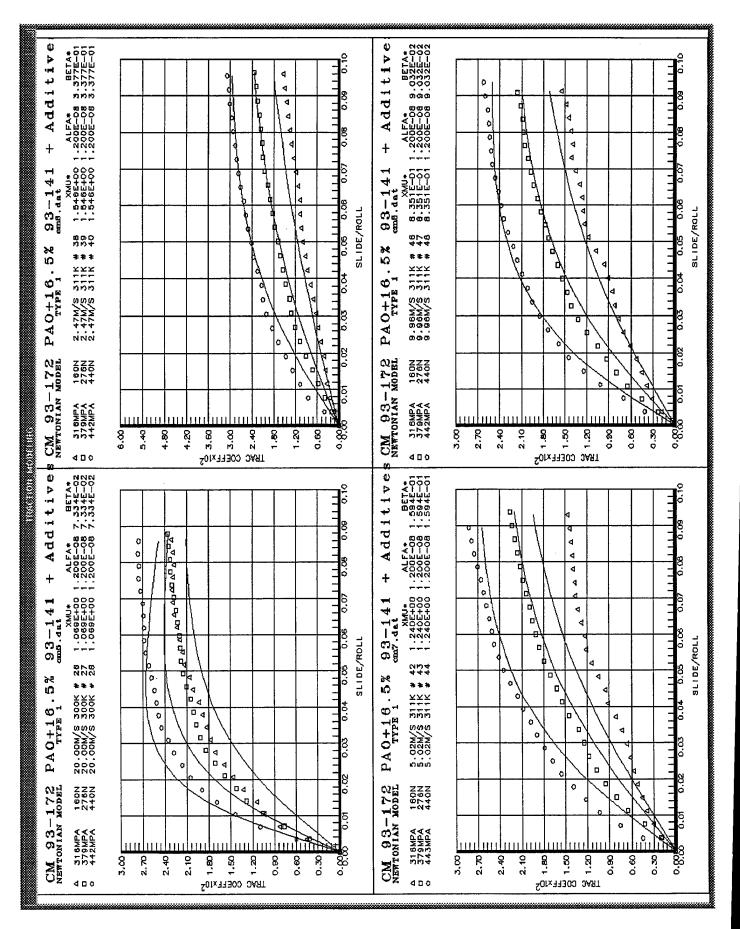


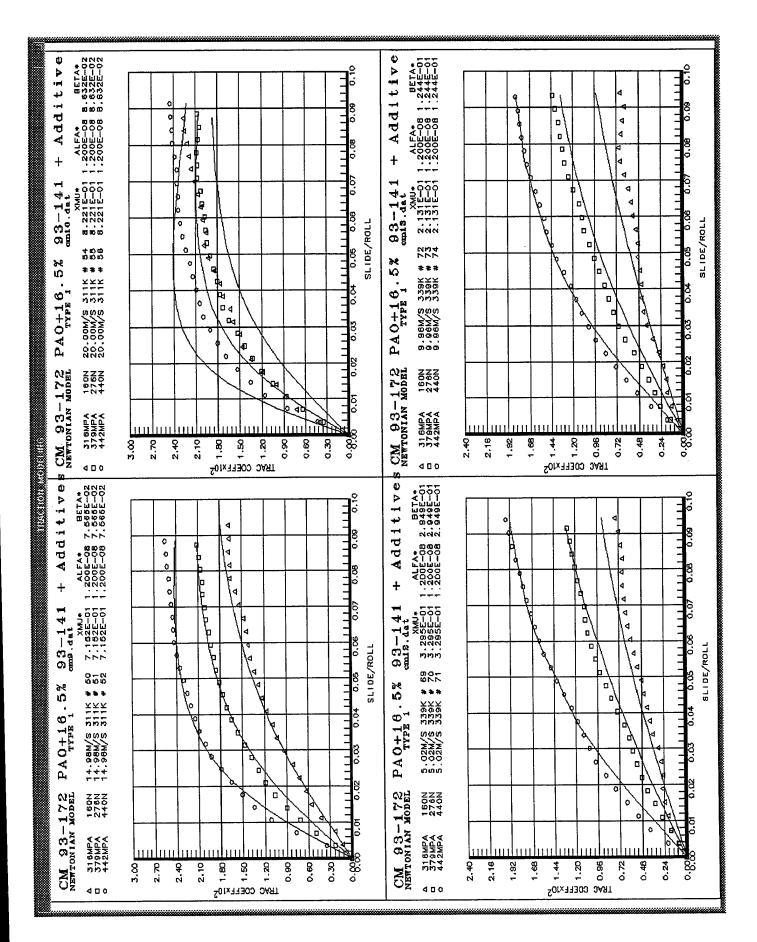


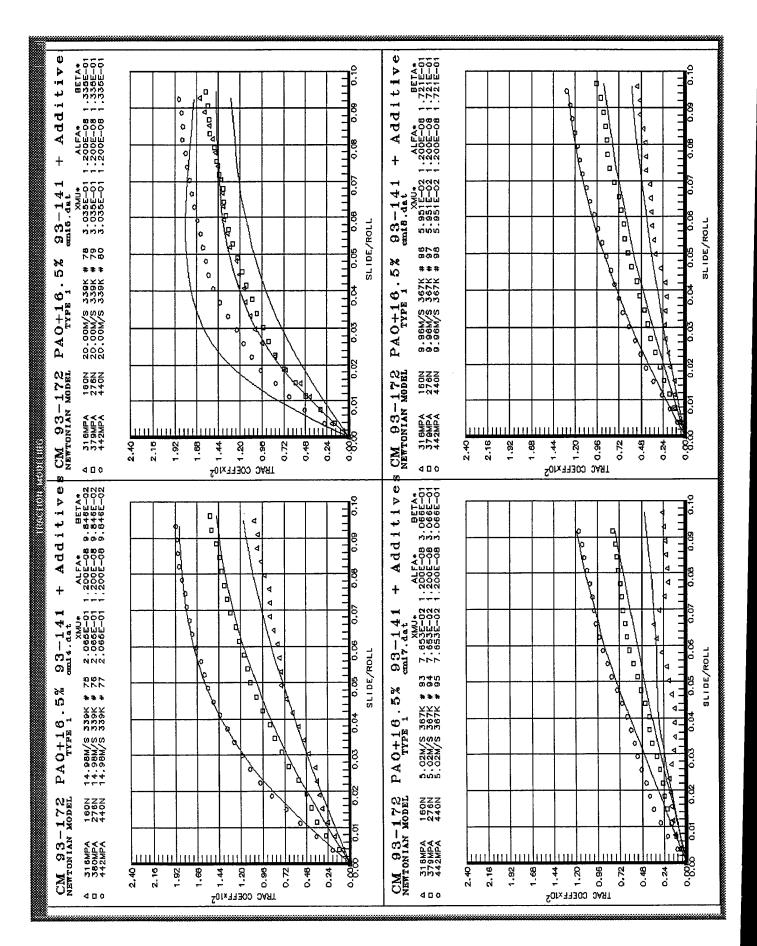
Lubricant name = CM 93-172 PAO+16.5% 93-141 + Additives

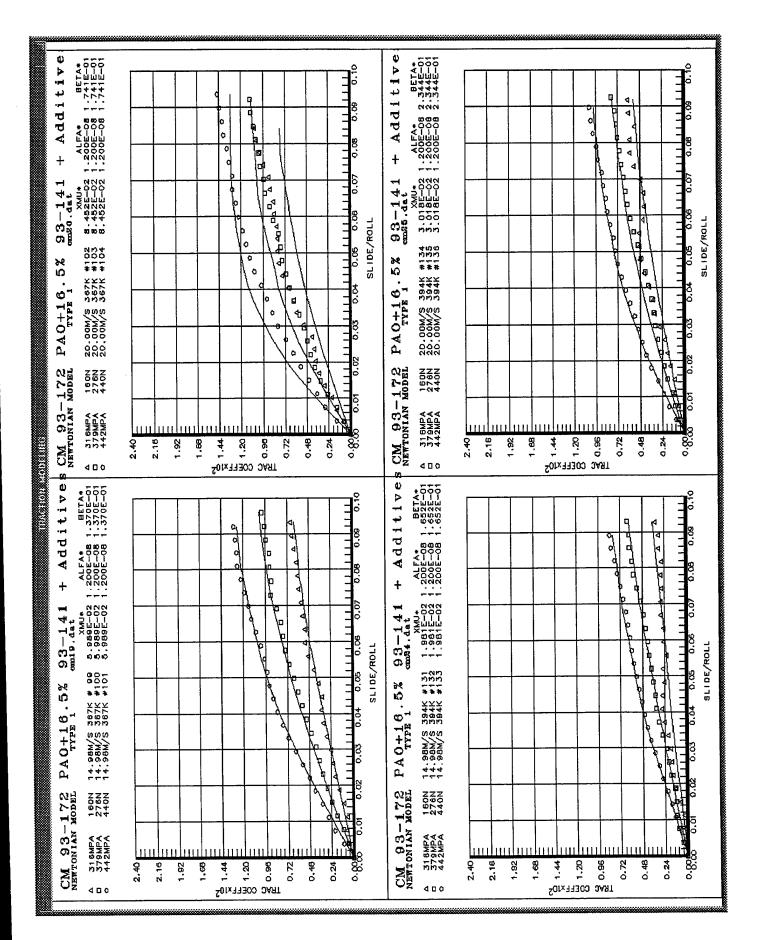
NEWTON I AN	MODEL	TYPE	1			
Dataset Name	Int	.et emp	Roll Velocity	XMU*	ALFA*	BETA*
Name		(K)	(M/S)	(Pa.S)	(1/Pa)	(1/K)
cm1.dat	3.0000E+	-02 2.	4703E+00	2.8124E+00	1.2000E-08	2.4576E-01
cm2.dat	3.0000E+	-02 5.	.0177E+00	1.9783E+00	1.2000E-08	1.2710E-01
cm3.dat	3.0000E+	-02 9.	9622E+00	1.3729E+00	1.2000E-08	8.3533E-02
cm4.dat	3.0000E+	-02 1.	.4982E+01	1.0436E+00	1.2000E-08	6.7178E-02
cm5.dat	3.0000E+	-02 2.	.0000E+01	1.0687E+00	1.2000E-08	7.3343E-02
cm6.dat	3.1111E+	-02 2.	.4703E+00	1.5462E+00	1.2000E-08	3.3771E-01
cm7.dat	3.1111E+	-02 5.	.0177E+00	1.2401E+00	1.2000E-08	1.5944E-01
cm8.dat	3.1111E+	-02 9.	.9622E+00	8.3510E-01	1.2000E-08	9.0319E-02
cm9.dat	3.1111E+	-02 1.	.4982E+01	7.1521E-01	1.2000E-08	7.5653E-02
cm10.dat	3.1111E+	-02 2.	.0000E+01	8.2214E-01	1.2000E-08	8.6323E-02
cm12.dat	3.3889E+	-02 5.	.0177E+00	3.2954E-01	1.2000E-08	2.9494E-01
cm13.dat	3.3889E+	-02 9.	.9622E+00	2.1307E-01	1.2000E-08	1.2438E-01
cm14.dat	3.3889E+	-02 1.	.4982E+01	2.0647E-01	1.2000E-08	9.8464E-02
cm15.dat	3.3889E+	-02 2.	.0000E+01	3.0349E-01	1.2000E-08	1.3345E-01
cm17.dat	3.6667E+	-02 5.	.0177E+00	7.6527E-02	1.2000E-08	3.0662E-01
cm18.dat	3.6667E+	-02 9.	.9622E+00	5.9509E-02	1.2000E-08	1.7206E-01
cm19.dat	3.6667E+	-02 1.	.4982E+01	5.9892E-02	1.2000E-08	1.3702E-01
cm20.dat	3.6667E+	02 2.	.0000E+01	8.4517E-02	1.2000E-08	1.7413E-01
cm24.dat	3.9444E+	-02 1.	.4982E+01	1.9807E-02	1.2000E-08	1.6523E-01
cm25.dat	3.9444E+	-02 2.	.0000E+01	3.0183E-02	1.2000E-08	2.3439E-01











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8. Traction Data Set G: 84-473 95% PAO + 5% Bardahl

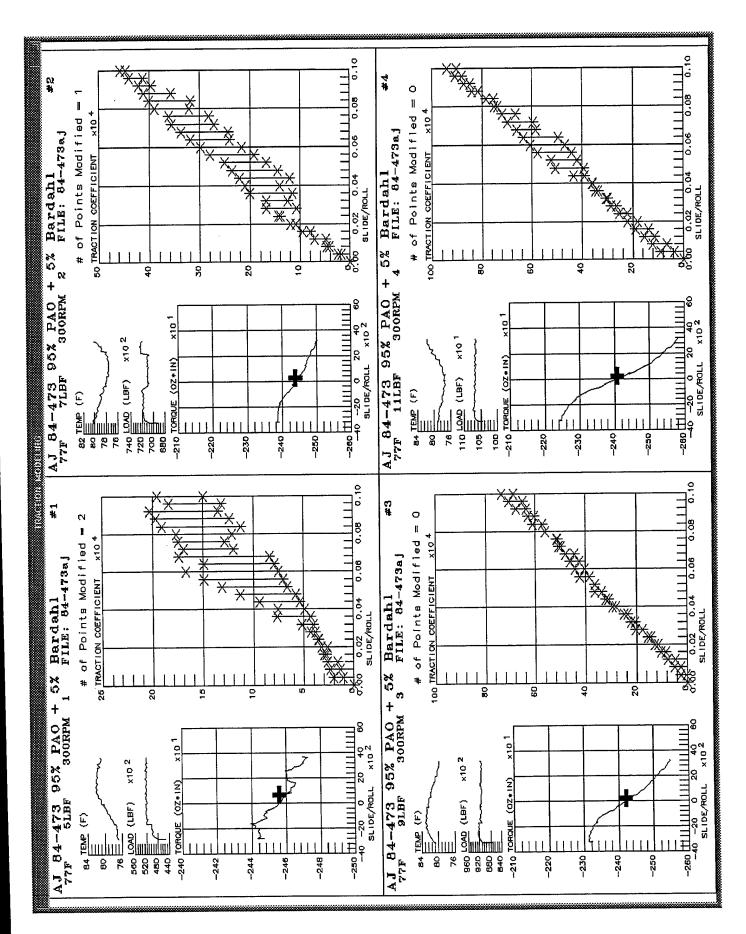
Data set name: AJ 84-473 95% PAO + 5% Bardahl Rolling radii [Disks 1 & 2] (in): 0.54 0.54 Crown radii [Disks 1 & 2] (in): 38.27 37.70

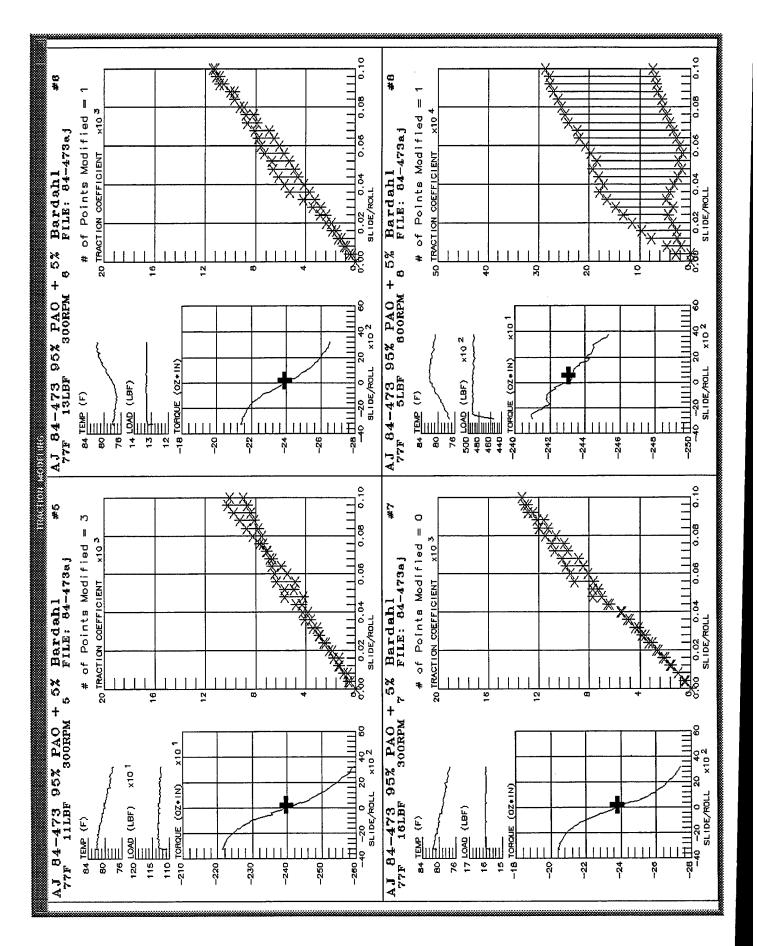
Number of data sets found = 42

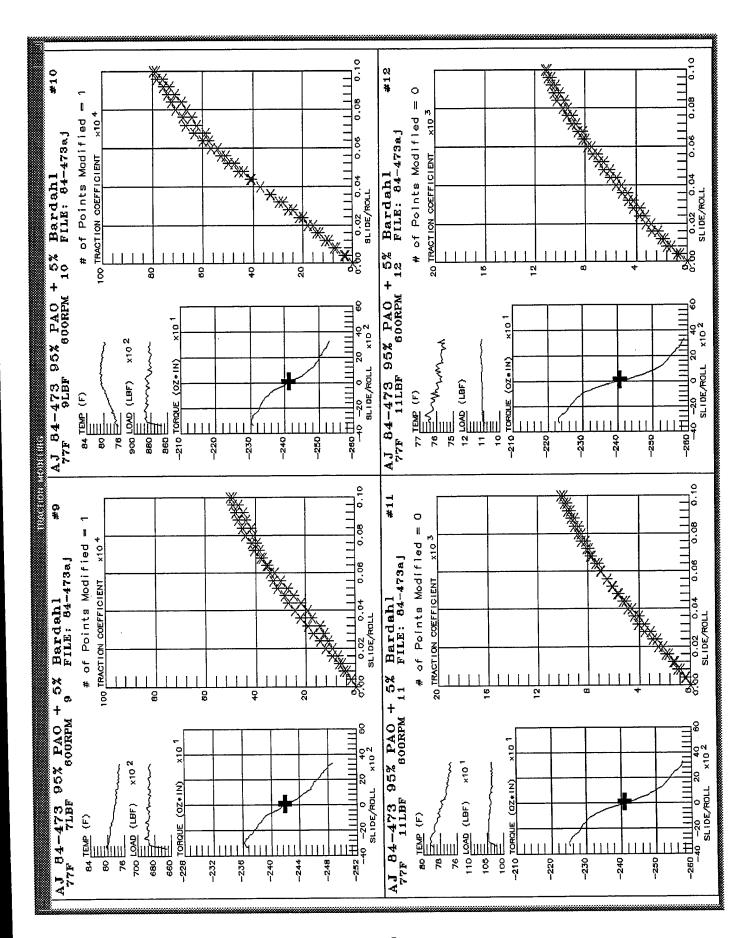
	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Points	Dataset/Test #
1	77.00	4.90	250.00	350.00	300.00	49	84-473aj #1
	77.00	7.03	250.00	350.00	300.00	49	84-473aj #2
2 3 4	77.00	9.16	250.00	350.00	300.00	49	84-473aj #3
Ž	77.00	10.58	250.00	350.00	300.00	49	84-473aj #4
5	77.00	11.29	250.00	350.00	300.00	49	84-473aj #5
6	77.00	13.42	250.00	350.00	300.00	49	84-473aj #6
5 6 7	77.00	16.26	250.00	350.00	300.00	49	84-473aj #7
8	77.00	4.90	500.00	700.00	600.00	49	84-473aj #8
9	77.00	7.03	500.00	700.00	600.00	49	84-473aj #9
10	77.00	9.16	500.00	700.00	600.00	49	84-473aj #10
11	77.00	10.58	500.00	700.00	600.00	49	84-473aj #11
12	77.00	11.29	500.00	700.00	600.00	49	84-473aj #12
13	77.00	13.42	500.00	700.00	600.00	49	84-473aj #13
14	77.00	16.26	500.00	700.00	600.00	49	84-473aj #14
15	77.00	4.90	1000.00	1400.00	1200.00	49	84-473aj #15
16	77.00	7.03	1000.00	1400.00	1200.00	49	84-473aj #16
17	77.00	9.16	1000.00	1400.00	1200.00	49	84-473aj #17
18	77.00	10.58	1000.00	1400.00	1200.00	49	84-473aj #18
19	77.00	11.29	1000.00	1400.00	1200.00	49	84-473aj #19
20	77.00	13.42	1000.00	1400.00	1200.00	49	84-473aj #20
21	77.00	16.26	1000.00	1400.00	1200.00	49	84-473aj #21
22	100.00	4.90	250.00	350.00	300.00	49	84-473aj #22
23	100.00	7.03	250.00	350.00	300.00	49	84-473aj #23
24	100.00	9.16	250.00	350.00	300.00	49	84-473aj #24
25	100.00	10.58	250.00	350.00	300.00	49	84-473aj #25
26	100.00	11.29	250.00	350.00	300.00	49	84-473aj #26
27	100.00	13.42	250.00	350.00	300.00	49	84-473aj #27
28	100.00	16.26	250.00	350.00	300.00	49	84-473aj #28
29	100.00	4.90	500.00	700.00	600.00	49	84-473aj #29
30	100.00	7.03	500.00	700.00	600.00	49	84-473aj #30
31	100.00	9.16	500.00	700.00	600.00	49	84-473aj #31
32	100.00	10.58	500.00	700.00	600.00	49	84-473aj #32
33	100.00	11.29	500.00	700.00	600.00	49	84-473aj #33
34	100.00	13.42	500.00	700.00	600.00	49	84-473aj #34
35	100.00	16.26	500.00	700.00	600.00	49	84-4 <i>7</i> 3aj #35
36	100.00	4.90	1000.00	1400.00	1200.00	49	84-473aj #36
37	100.00	7.03	1000.00	1400.00	1200.00	49	84-473aj #37
38	100.00	9.16	1000.00	1400.00	1200.00	49	84-473aj #38
39	100.00	10.58	1000.00	1400.00	1200.00	49	84-473aj #39
	100.00	11.29	1000.00	1400.00	1200.00	49	84-473aj #40
40	100.00	13.42	1000.00	1400.00	1200.00	49	84-473aj #41
41	100.00	16.26	1000.00	1400.00	1200.00	49	84-473aj #42
42	100.00	10.40	,000.00	. 700.00			_

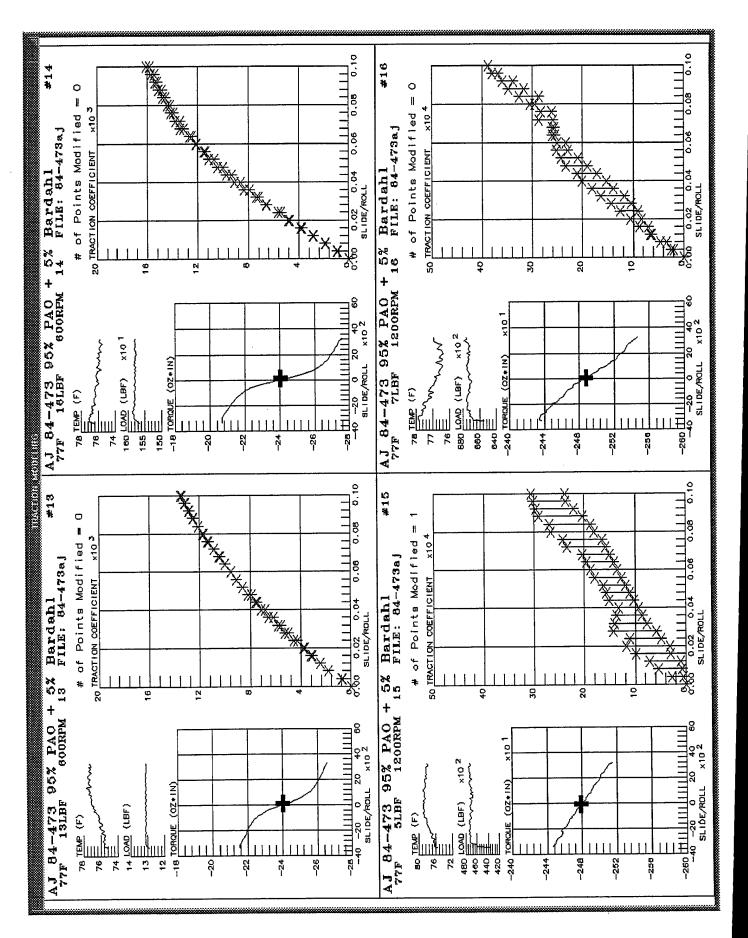
Summary of Select Data Files

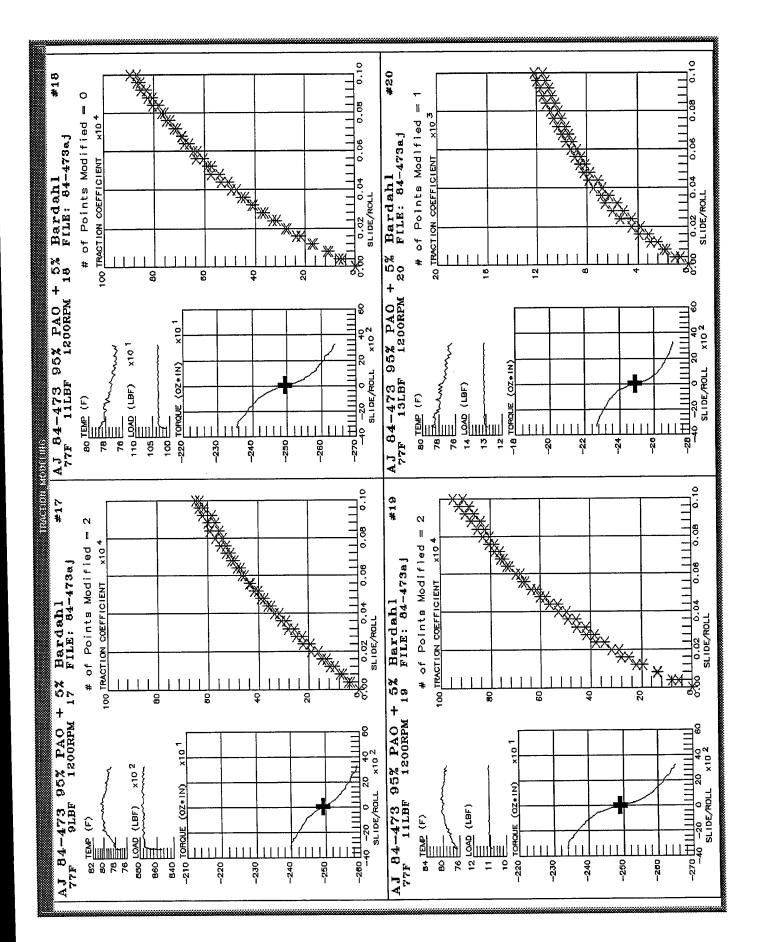
Filename	Temp	RollRpm	Dat	aCur	ve #	!
aj1.dat	77.00	300.00	3	5	6	7
aj2.dat	77.00	600.00	10	12	13	14
ai3.dat	77.00	1200.00	17	19	20	21
aj4.dat	100.00	300.00	24	26	27	28
a i 5. dat	100.00	600.00	31	33	34	35
aj6.dat	100.00	1200.00	38	40	41	42

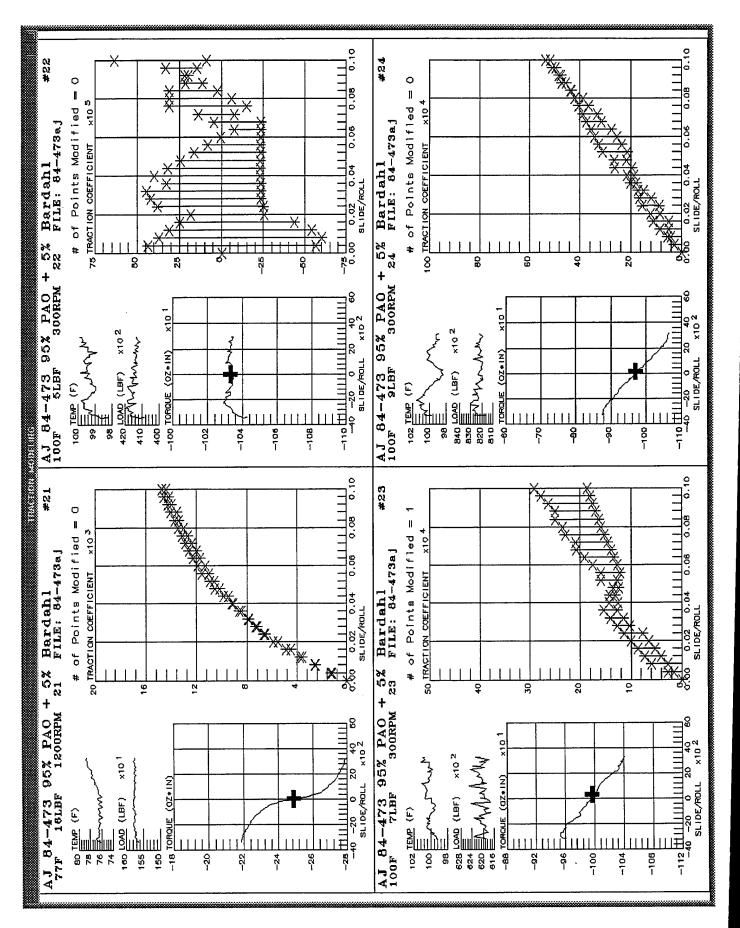


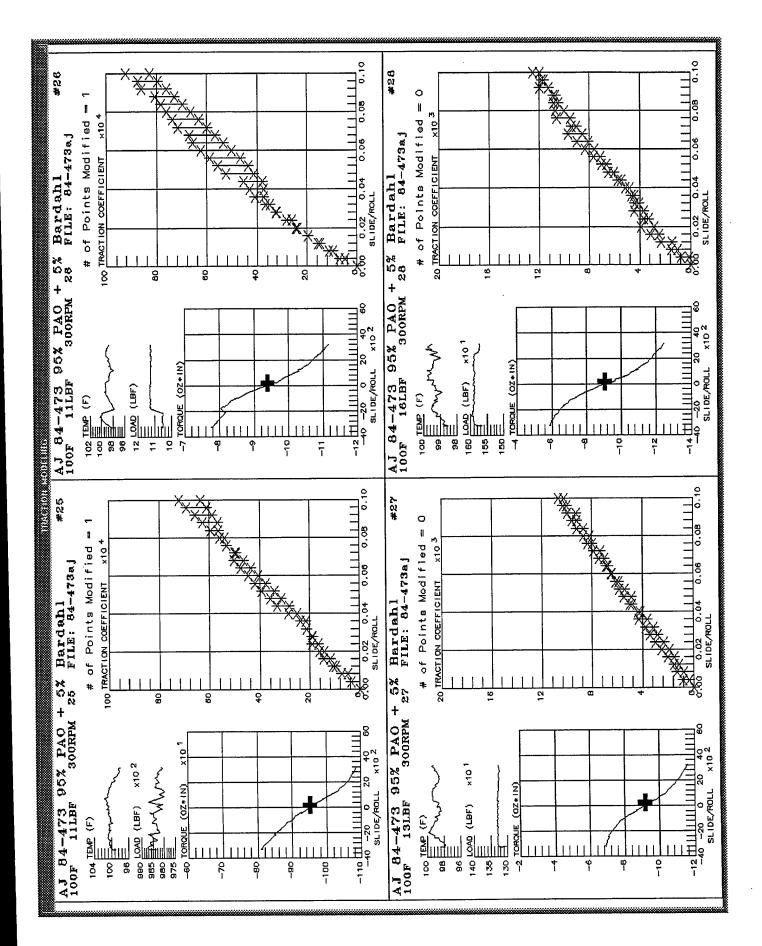


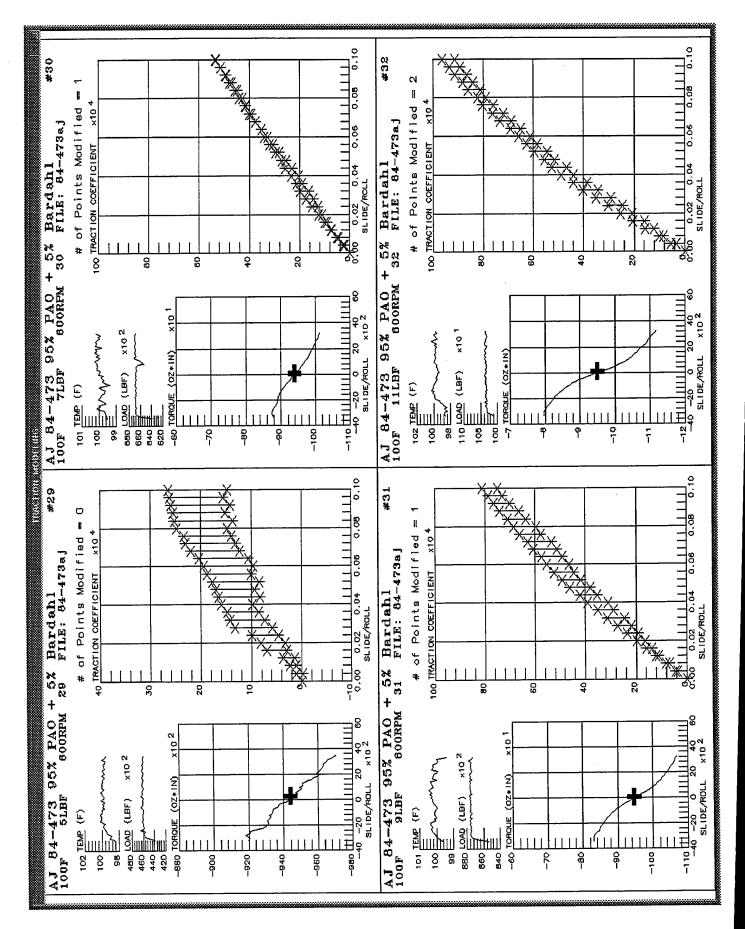


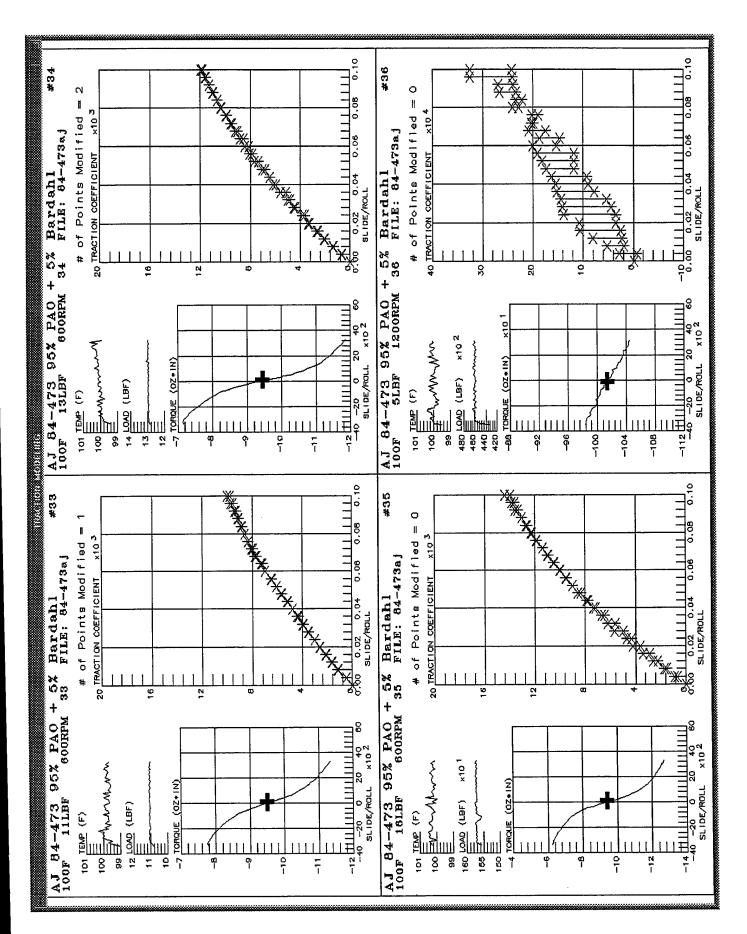


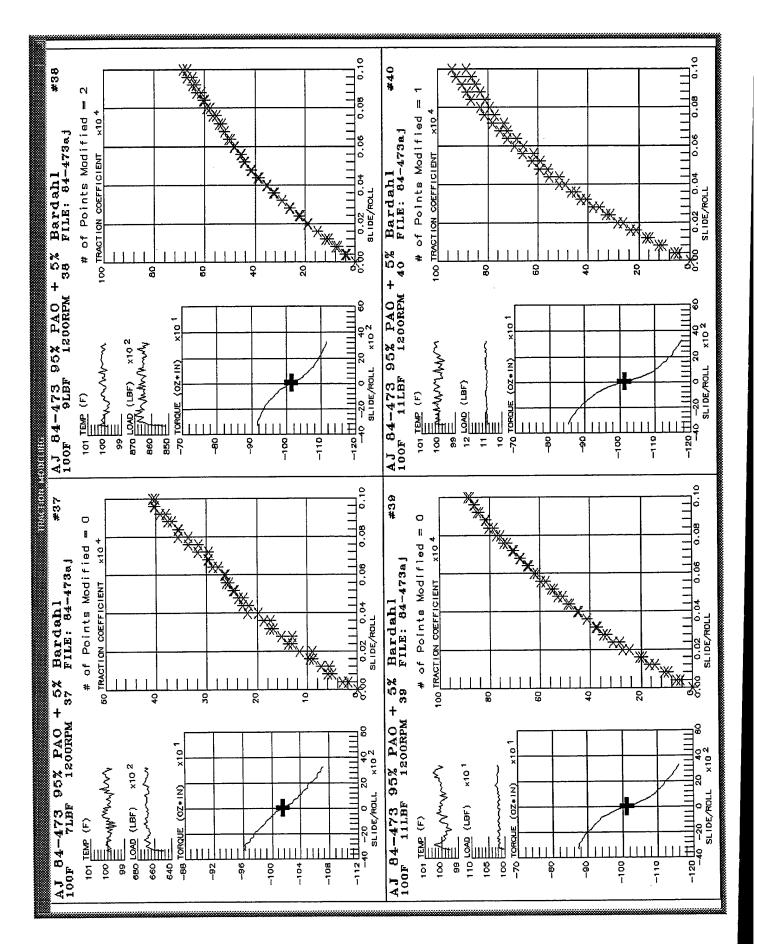


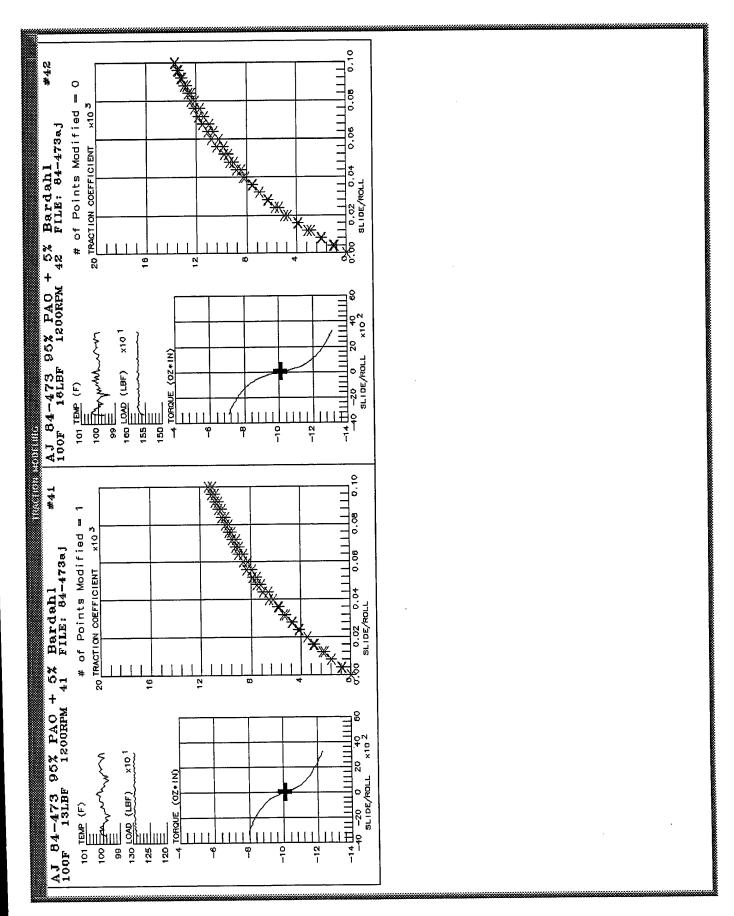












9. Traction Data Set H: 81-288 Apiezon C + 5% Bardhal (VacKote)

BO 81-288 ApiezonC+5%Bardhal(VacKote) 0.75 0.75 8.00 8.00

Data set name:
Rolling radii [Disks 1 & 2] (in):
Crown radii [Disks 1 & 2] (in):

Number of data sets found = 274

	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	C Load1	alibra Load2	tion F Rpm1	actors Rpm2	Torq	SqDev	Dataset/Test #
			470.00	210.00	170.00	40	0.71	1.49	1.00	1.00	1.00	1.75E-04	81-288bo80 #1
1	80.00	2.77	130.00	210.00	170.00	40	0.71	1.49	1.00	1.00	1.00	2.14E-04	81-288bo80 #2
2	80.00	5.61	130.00	210.00	170.00	40	0.71	1.49	1.00	1.00	1.00	1.13E-03	81-288bo80 #3
3	80.00	19.10	130.00 130.00	210.00	170.00	40	0.71	1.49	1.00	1.00	1.00	2.66E-03	81-288bo80 #4
4	80.00	65.25	130.00	210.00	170.00	40	0.71	1.49	1.00	1.00	1.00	8.17E-04	81-288bo80 #5
5	80.00	154.00 2.77	178.00	368.00	273.00	40	0.71	1.49	1.00	1.00	1.00	4.07E-04	81-288bo80 #6
6	80.00	5.61	178.00	368.00	273.00	40	0.71	1.49	1.00	1.00	1.00	2.22E-05	81-288bo80 #7
7	80.00 80.00	19.10	178.00	368.00	273.00	40	0.71	1.49	1.00	1.00	1.00	2.45E-04	81-288bo80 #8
8 9	80.00	65.25	178.00	368.00	273.00	40	0.71	1.49	1.00	1.00	1.00	3.96E-03	81-288bo80 #9
10	80.00	154.00	178.00	368.00	273.00	40	0.71	1.49	1.00	1.00	1.00	6.19E-03	81-288bo80 #10
11	80.00	2.77	1173.00	1373.00	1273.00	40	0.71	1.49	1.00	1.00	1.00	1.17E-04	81-288bo80 #11 81-288bo80 #12
12	80.00	5.61	1173.00	1373.00	1273.00	40	0.71	1.49	1.00	1.00	1.00	1.58E-04	81-288bo80 #13
13	80.00	19.10	1173.00	1373.00	1273.00	40	0.71	1.49	1.00	1.00	1.00	8.56E-05	81-288bo80 #14
14	80.00	65.25	1173.00	1373.00	1273.00	40	0.71	1.49	1.00	1.00	1.00	5.19E-04	81-288bo80 #15
15	80.00	154.00	1173.00	1373.00	1273.00	40	0.71	1.49	1.00	1.00	1.00	1.31E-04	81-288bo80 #16
16	80.00	2.77	2446.00	2646.00	2546.00	40	0.71	1.49	1.00	1.00	1.00	1.08E-04 3.31E-05	81-288bo80 #17
17	80.00	5.61	2446.00	2646.00	2546.00	40	0.71	1.49	1.00	1.00	1.00	7.16E-05	81-288bo80 #18
18	80.00	19.10	2446.00	2646.00	2546.00	40	0.71	1.49	1.00	1.00	1.00 1.00	1.05E-04	81-288bo80 #19
19	80.00	65.25	2446.00	2646.00	2546.00	40	0.71	1.49	1.00	1.00	1.00	1.99E-04	81-288bo80 #20
20	80.00	154.00	2446.00	2646.00	2546.00	40	0.71	1.49	1.00	1.00	1.00	2.04E-04	81-288bo80 #1
21	80.00	19.10	4838.00	5348.00	5093.00	100	0.71	1.49	1.00	1.00	1.00	2.60E-05	81-288bo80 #2
- 22	80.00	19.10	5348.00	4838.00	5093.00	100	0.71 0.71	1.49 1.49	1.00	1.00	1.00	4.43E-04	81-288bo80 #1
23	80.00	19.10	4838.00	5348.00	5093.00	100 100	0.71	1.49	1.00	1.00	1.00	4.78E-05	81-288bo80 #2
24	80.00	65.25	4838.00	5348.00	5093.00 5093.00	100	0.71	1.49	1.00	1.00	1.00	7.75E-04	81-288bo80 #3
25	80.00	154.00	4838.00	5348.00 8021.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	2.29E-04	81-288bo80 #4
26	80.00	19.10	7257.00	8021.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	2.14E-04	81-288bo80 #5
27	80.00	65.25	7257.00 7257.00	8021.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	5.38E-04	81-288bo80 #6
28	80.00	154.00 19.10	9677.00	10695.00	10186.00	100	0.71	1.49	1.00	1.00	1.00	5.30E-05	81-288bo80 #7
29	80.00	65.25	9677.00	10695.00	10186.00	100	0.71	1.49	1.00	1.00	1.00	1.00E-04	81-288bo80 #8
30	80.00	154.00	9677.00	10695.00	10186.00	100	0.71	1.49	1.00	1.00	1.00	5.79E-04	81-288bo80 #9
31	80.00	19.10	302.00	334.00	318.00	100	0.71	1.49	1.00	1.00	1.00	6.97E-04	81-288bo80 #1
32 77	80.00 80.00	65.25	302.00	334.00	318.00	100	0.71	1.49	1.00	1.00	1.00	1.82E-01	81-288bo80 #2
33 34	80.00	154.00	302.00	334.00	318.00	100	0.71	1.49	1.00	1.00	1.00	1.99E-01	81-288bo80 #3
35	80.00	19.10	1209.00	1337.00	1273.00	100	0.71	1.49	1.00	1.00	1.00	1.14E-03	81-288bo80 #4
36	80.00	65.25	1209.00	1337.00	1273.00	100	0.71	1.49	1.00	1.00	1.00	1.23E-03	81-288bo80 #5
37	80.00	154.00	1209.00	1337.00	1273.00	100	0.71	1.49	1.00	1.00	1.00	1.81E-02	81-288bo80 #6 81-288bo80 #7
38	80.00	19.10	2419.00	2673.00	2546.00	100	0.71	1.49	1.00	1.00	1.00	4.61E-05	81-288bo80 #8
39	80.00	65.25	2419.00	2673.00	2546.00	100	0.71	1.49	1.00	1.00	1.00	4.26E-04	
40	80.00	154.00	2419.00	2673.00	2546.00	100	0.71	1.49	1.00	1.00	1.00	8.89E-04	81-288bo80 #9 81-288bo80 #10
41	80.00	19.10	4838.00	5348.00	5093.00	100	0.71	1.49	1.00	1.00	1.00	2.94E-05	81-288bo80 #11
42	80.00	65.25	4838.00	5348.00	5093.00	100	0.71	1.49	1.00	1.00	1.00	1.24E-04	81-288bo80 #12
43	80.00	154.00	4838.00	5348.00	5093.00	100	0.71	1.49	1.00	1.00	1.00	1.09E-03	81-288bo80 #12
44	80.00	19.10	7257.00	8021.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	4.48E-04 5.44E-04	81-288bo80 #14
45	80.00	65.25	7257.00	8021.00	7639.00	100	0.71	1.49	1.00	1.00	1.00 1.00	7.38E-04	81-288bo80 #15
46	80.00	154.00	7257.00	8021.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	6.37E-04	81-288bo80 #16
47	80.00	19.10	9677.00	10695.00	10186.00	100	0.71	1.49 1.49	1.00	1.00	1.00	9.95E-05	81-288bo80 #17
48	80.00	65.25	9677.00	10695.00	10186.00	100	0.71	1.49	1.00	1.00	1.00	9.56E-04	81-288bo80 #18
49	80.00	154.00	9677.00	10695.00	10186.00	100 50	0.71	1.49	1.00	1.00	1.00	2.84E-03	81-288bo80 #1
50	80.00	19.10	218.00	418.00	318.00	οU	0.71	1.47	1.00				

Data set: BO 81-288 ApiezonC+5%Bardhal(VacKote)continued

	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	C Load1		tion F Rpm1	actors Rpm2	Torq	SqDev	Dataset/Test #
51	80.00	19.10	1173.00	1373.00 2673.00	1273.00 2546.00	50	0.71 0.71	1.49	1.00	1.00 1.00	1.00 1.00	2.38E-04 4.79E-05	81-288bo80 #2 81-288bo80 #3
52 53	80.00 80.00	19.10 19.10	2419.00 4838.00	5348.00	5093.00	50 50	0.71	1.49 1.49	1.00	1.00	1.00	4.79E-03 4.88E-04	81-288bo80 #4
54	80.00	19.10	7257.00	8021.00	7639.00	50	0.71	1.49	1.00	1.00	1.00	2.33E-05	81-288bo80 #5
55	80.00	19.10	9677.00	10695.00	10186.00	50	0.71	1.49	1.00	1.00	1.00	2.00E-04	81-288bo80 #6
56 57	80.00 80.00	19.10 19.10	218.00 1173.00	418.00 1373.00	318.00 1273.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	5.20E-04 4.03E-04	81-288bo80 #1 81-288bo80 #2
58	80.00	19.10	2419.00	2673.00	2546.00	50	0.71	1.49	1.00	1.00	1.00	1.45E-04	81-288bo80 #3
59	80.00	19.10	4838.00	5348.00	5093.00	50	0.71	1.49	1.00	1.00	1.00	9.55E-06	81-288bo80 #4
60 61	80.00 80.00	19.10 19.10	218.00 1173.00	418.00 1373.00	318.00 1273.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	3.03E-03 1.33E-04	81-288bo80 #1 81-288bo80 #2
62	80.00	19.10	2419.00	2673.00	2546.00	50	0.71	1.49	1.00	1.00	1.00	1.93E-05	81-288bo80 #3
63	80.00	19.10	4838.00	5348.00	5093.00	50	0.71	1.49	1.00	1.00	1.00	9.77E-06	81-288bo80 #4
64 65	80.00 80.00	19.10 19.10	7257.00 9677.00	8021.00 10695.00	7639.00 10186.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	3.06E-05 1.01E-04	81-288bo80 #5 81-288bo80 #6
66	80.00	19.10	218.00	418.00	318.00	50	0.71	1.49	1.00	1.00	1.00	9.24E-04	81-288bo80 #1
67	80.00	19.10	1173.00	1373.00	1273.00	50	0.71	1.49	1.00	1.00	1.00	3.39E-04	81-288bo80 #2
68	80.00	19.10	4838.00	5348.00	5093.00	50	0.71	1.49	1.00	1.00	1.00	1.58E-04 1.39E-04	81-288bo80 #4 81-288bo80 #5
69 70	80.00 80.00	19.10 19.10	7257.00 9677.00	8021.00 10695.00	7639.00 10186.00	50 30	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00	2.63E-03	81-288bo80 #6
71	80.00	19.10	218.00	418.00	318.00	50	0.71	1.49	1.00	1.00	1.00	9.01E-04	81-288bo80 #1
72	80.00	19.10	1173.00	1373.00	1273.00	50	0.71	1.49	1.00	1.00	1.00	1.34E-04	81-288bo80 #2
73 74	80.00 80.00	19.10 19.10	2419.00 418.00	2673.00 218.00	2546.00 318.00	50 50	0.71 0.71	1.49	1.00	1.00 1.00	1.00	1.25E-05 4.42E-04	81-288bo80 #3 81-288bo80 #1
75	80.00	65.25	418.00	218.00	318.00	50	0.71	1.49	1.00	1.00	1.00	3.44E-03	81-288bo80 #2
76	80.00	154.00	418.00	218.00	318.00	50	0.71	1.49	1.00	1.00	1.00	6.14E-02	81-288bo80 #3
77 78	80.00 80.00	19.10 65.25	1373.00 1373.00	1173.00 1173.00	1273.00 1273.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.87E-04 6.65E-04	81-288bo80 #4 81-288bo80 #5
79	80.00	154.00	1373.00	1173.00	1273.00	50	0.71	1.49	1.00	1.00	1.00	1.50E-01	81-288bo80 #6
80	80.00	19.10	2673.00	2419.00	2546.00	50	0.71	1.49	1.00	1.00	1.00	9.00E-05	81-288bo80 #7
81 82	80.00 80.00	65.25 154.00	2673.00 2673.00	2419.00 2419.00	2546.00 2546.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	6.86E-04 3.43E-02	81-288bo80 #8 81-288bo80 #9
83	80.00	154.00	218.00	418.00	318.00	50	0.71	1.49	1.00	1.00	1.00	1.24E-02	81-288bo80 #1
84	80.00	154.00	1173.00	1373.00	1273.00	50	0.71	1.49	1.00	1.00	1.00	5.40E-04	81-288bo80 #2
85	80.00	154.00	2419.00 4838.00	2673.00 5348.00	2546.00 5093.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00	2.62E-04 2.45E-04	81-288bo80 #3 81-288bo80 #4
86 87	80.00 80.00	154.00 154.00	7257.00	8021.00	7639.00	50	0.71	1.49	1.00	1.00	1.00	1.90E-04	81-288bo80 #5
88	80.00	154.00	9677.00	10695.00	10186.00	50	0.71	1.49	1.00	1.00	1.00	8.61E-05	81-288bo80 #6
89 90	80.00 80.00	19.10 65.25	418.00 418.00	218.00 218.00	318.00 318.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00	1.35E-04 1.03E-03	81-288bo80 #1 81-288bo80 #2
90 91	80.00	19.10	1373.00	1173.00	1273.00	100	0.71	1.49	1.00	1.00	1.00	1.50E-04	81-288bo80 #2
92	80.00	65.25	1373.00	1173.00	1273.00	100	0.71	1.49	1.00	1.00	1.00	4.50E-04	81-288bo80 #4
93 94	80.00 80.00	19.10	2673.00	2419.00 2419.00	2546.00 2546.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	5.49E-05 3.15E-04	81-288bo80 #5 81-288bo80 #6
95	80.00	65.25 19.10	2673.00 5348.00	4838.00	5093.00	100	0.71	1.49	1.00	1.00	1.00	9.57E-04	81-288bo80 #7
96	80.00	65.25	5348.00	4838.00	5093.00	100	0.71	1.49	1.00	1.00	1.00	1.96E-04	81-288bo80 #8
97	80.00	19.10 65.25	8021.00 8021.00	7257.00 7257.00	7639.00 7639.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00	8.66E-05 7.04E-05	81-288bo80 #9 81-288bo80 #10
98 99	80.00 80.00	19.10	10695.00	9677.00	10186.00	100	0.71	1.49	1.00	1.00	1.00	6.57E-05	81-288bo80 #11
100	80.00	65.25	10695.00	9677.00	10186.00	100	0.71	1.49	1.00	1.00	1.00	2.60E-04	81-288bo80 #12
101	100.00 100.00	19.10 65.25	302.00 302.00	334.00 334.00	318.00 318.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.25E-02 4.97E-02	81-288bo100 #1 81-288bo100 #2
102 103	100.00	154.00	302.00	334.00	318.00	100	0.71	1.49	1.00	1.00	1.00	1.75E-04	81-288bo100 #2
104	100.00	19.10	1209.00	1337.00	1273.00	100	0.71	1.49	1.00	1.00	1.00	4.57E-04	81-288bo100 #4
105	100.00	65.25	1209.00	1337.00 1337.00	1273.00	100	0.71	1.49	1.00	1.00 1.00	1.00 1.00	2.32E-03 8.43E-04	81-288bo100 #5 81-288bo100 #6
106 107	100.00 100.00	154.00 19.10	1209.00 2419.00	2673.00	1273.00 2546.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00	1.00	1.15E-04	81-288bo100 #7
108	100.00	65.25	2419.00	2673.00	2546.00	100	0.71	1.49	1.00	1.00	1.00	6.65E-04	81-288bo100 #8
109	100.00	154.00	2419.00	2673.00	2546.00	100	0.71	1.49	1.00	1.00 1.00	1.00 1.00	2.17E-03 1.02E-03	81-288bo100 #9 81-288bo100 #10
110 111	100.00 100.00	19.10 65.25	4838.00 4838.00	5348.00 5348.00	5093.00 5093.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00	1.00	1.17E-04	81-288bo100 #10
112	100.00	154.00	4838.00	5348.00	5093.00	100	0.71	1.49	1.00	1.00	1.00	8.37E-04	81-288bo100 #12
113 114	100.00 100.00	19.10 65.25	7257.00 7257.00	8021.00 8021.00	7639.00 7639.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.60E-03 1.57E-04	81-288bo100 #13 81-288bo100 #14
115	100.00	65.25 154.00	7257.00	8021.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	6.79E-04	81-288bo100 #15
116	100.00	19.10	9677.00	10695.00	10186.00	100	0.71	1.49	1.00	1.00	1.00	1.81E-03	81-288bo100 #16
117	100.00	65.25	9677.00	10695.00	10186.00	100	0.71	1.49	1.00	1.00 1.00	1.00	8.05E-05 3.13E-04	81-288bo100 #17 81-288bo100 #18
118 119	100.00 100.00	154.00 19.10	9677.00 302.00	10695.00 334.00	10186.00 318.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00	1.00	2.59E-03	81-288bo100 #1
120	100.00	65.25	302.00	334.00	318.00	100	0.71	1.49	1.00	1.00	1.00	9.70E-03	81-288bo100 #2

Data set: BO 81-288 ApiezonC+5%Bardhal(VacKote)continued

	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	C				Torq	SqDev	Dataset/Test #
121	100.00	154.00	302.00	334.00	318.00	100	0.71	1.49	1.00	1.00	1.00	1.18E-03	81-288bo100 #3
122	100.00	19.10	1209.00	1337.00	1273.00	100	0.71	1.49	1.00	1.00	1.00	2.04E-04	81-288bo100 #4
123	100.00	65.25	1209.00	1337.00	1273.00	100	0.71	1.49	1.00	1.00	1.00	5.10E-04	81-288bo100 #5 81-288bo100 #6
124 125	100.00 100.00	154.00 19.10	1209.00 2419.00	1337.00 2673.00	1273.00 2546.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	4.70E-04 5.95E-04	81-288bo100 #7
126	100.00	65.25	2419.00	2673.00	2546.00	100	0.71	1.49	1.00	1.00	1.00	3.52E-04	81-288bo100 #8
127	100.00	154.00	2419.00	2673.00	2546.00	100	0.71	1.49	1.00	1.00	1.00	4.55E-04	81-288bo100 #9
128	100.00	19.10	218.00 218.00	418.00 418.00	318.00 318.00	100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.05E-04 6.65E-03	81-288bo100 #1 81-288bo100 #2
129 130	100.00 100.00	65.25 154.00	218.00	418.00	318.00	100 100	0.71	1.49	1.00	1.00	1.00	6.13E-02	81-288bo100 #2
131	100.00	19.10	1173.00	1373.00	1273.00	100	0.71	1.49	1.00	1.00	1.00	3.09E-04	81-288bo100 #4
132	100.00	65.25	1173.00	1373.00	1273.00	100	0.71	1.49	1.00	1.00	1.00	1.60E-03	81-288bo100 #5
133 134	100.00 100.00	154.00 19.10	1173.00 2446.00	1373.00 2646.00	1273.00 2546.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	6.76E-04 1.02E-04	81-288bo100 #6 81-288bo100 #7
135	100.00	65.25	2446.00	2646.00	2546.00	100	0.71	1.49	1.00	1.00	1.00	7.49E-04	81-288bo100 #8
136	100.00	154.00	2446.00	2646.00	2546.00	100	0.71	1.49	1.00	1.00	1.00	2.52E-04	81-288bo100 #9
137	100.00	19.10 65.25	4838.00 4838.00	5348.00 5348.00	5093.00 5093.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	8.28E-04 1.81E-04	81-288bo100 #1 81-288bo100 #2
138 139	100.00 100.00	154.00	4838.00	5348.00	5093.00	100	0.71	1.49	1.00	1.00	1.00	3.02E-04	81-288bo100 #3
140	100.00	19.10	7257.00	8021.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	7.98E-05	81-288bo100 #4
141	100.00	65.25	7257.00	8021.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	1.27E-04 4.56E-04	81-288bo100 #5 81-288bo100 #6
142 143	100.00 100.00	154.00 19.10	7257.00 9677.00	8021.00 10695.00	7639.00 10186.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	2.87E-03	81-288bo100 #7
144	100.00	65.25	9677.00	10695.00	10186.00	100	0.71	1.49	1.00	1.00	1.00	8.44E-05	81-288bo100 #8
145	100.00	154.00	9677.00	10695.00	10186.00	100	0.71	1.49	1.00	1.00	1.00	3.72E-04	81-288bo100 #9
146 147	100.00 100.00	19.10 19.10	218.00 1173.00	418.00 1373.00	318.00 1273.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00	6.06E-03 1.18E-04	81-288bo100 #1 81-288bo100 #2
148	100.00	19.10	2419.00	2673.00	2546.00	50	0.71	1.49	1.00	1.00	1.00	4.03E-05	81-288bo100 #3
149	100.00	19.10	4838.00	5348.00	5093.00	50	0.71	1.49	1.00	1.00	1.00	2.04E-04	81-288bo100 #4
150	100.00	19.10	7257.00	8021.00	7639.00 10186.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	2.55E-05 1.17E-04	81-288bo100 #5 81-288bo100 #6
151 152	100.00 100.00	19.10 2.77	9677.00 130.00	10695.00 210.00	170.00	100	0.71	1.49	1.00	1.00	1.00	8.04E-04	81-288bo100 #1
153	100.00	19.10	130.00	210.00	170.00	100	0.71	1.49	1.00	1.00	1.00	6.52E-04	81-288bo100 #2
154	100.00	65.25	130.00	210.00	170.00	100	0.71	1.49	1.00	1.00	1.00 1.00	1.66E-03 7.36E-04	81-288bo100 #3 81-288bo100 #4
155 156	100.00 100.00	154.00 2.77	130.00 178.00	210.00 368.00	170.00 273.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00	4.18E-04	81-288bo100 #5
157	100.00	19.10	178.00	368.00	273.00	100	0.71	1.49	1.00	1.00	1.00	1.60E-03	81-288bo100 #6
158	100.00	65.25	178.00	368.00 368.00	273.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.84E-04 3.13E-03	81-288bo100 #7 81-288bo100 #8
159 160	100.00 100.00	154.00 2.77	178.00 1173.00	1373.00	273.00 1273.00	100	0.71	1.49	1.00	1.00	1.00	3.09E-04	81-288bo100 #9
161	100.00	19.10	1173.00	1373.00	1273.00	100	0.71	1.49	1.00	1.00	1.00	9.50E-05	81-288bo100 #10
162	100.00	65.25	1173.00	1373.00	1273.00	100	0.71	1.49	1.00	1.00	1.00	1.28E-04 1.57E-04	81-288bo100 #11 81-288bo100 #12
163 164	100.00	154.00 2.77	1173.00 2446.00	1373.00 2646.00	1273.00 2546.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00	0.00E+00	81-288b0100 #12
165	100.00	19.10	2446.00	2646.00	2546.00	100	0.71	1.49	1.00	1.00	1.00	4.26E-05	81-288bo100 #14
166	100.00	65.25	2446.00	2646.00	2546.00	100		1.49	1.00	1.00 1.00	1.00 1.00	1.39E-04 3.57E-05	81-288bo100 #15 81-288bo100 #16
167 168	100.00 100.00	154.00 2.77	2446.00 130.00	2646.00 210.00	2546.00 170.00	100 30		1.49 1.49	1.00	1.00	1.00	8.04E-05	81-288bo100 #10
169	100.00	5.61	130.00	210.00	170.00	30	0.71	1.49	1.00	1.00	1.00	1.85E-04	81-288bo100 #2
170	100.00	2.77	178.00	368.00	273.00	30		1.49	1.00	1.00	1.00	4.21E-04 2.12E-05	81-288bo100 #3 81-288bo100 #4
171 172	100.00 100.00	5.61 2.77	178.00 1173.00	368.00 1373.00	273.00 1273.00	30 30		1.49 1.49	1.00	1.00 1.00	1.00 1.00	3.85E-04	81-288bo100 #5
173	100.00	5.61	1173.00	1373.00	1273.00	30	0.71	1.49	1.00	1.00	1.00	2.00E-04	81-288bo100 #6
174	100.00	2.77	2446.00	2646.00	2546.00	30		1.49	1.00	1.00	1.00	5.82E-04	81-288bo100 #7
175 176	100.00 100.00	5.61 19.10	2446.00 4838.00	2646.00 5348.00	2546.00 5093.00	30 100		1.49 1.49	1.00	1.00 1.00	1.00	4.71E-04 1.90E-05	81-288bo100 #8 81-288bo100 #1
177	100.00	65.25	4838.00	5348.00	5093.00	100		1.49	1.00	1.00	1.00	4.58E-04	81-288bo100 #2
178	100.00	154.00	4838.00	5348.00	5093.00	100		1.49	1.00	1.00	1.00	8.72E-04	81-288bo100 #3
179	100.00	19.10	7257.00	8021.00	7639.00	100 100		1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.82E-05 4.79E-05	81-288bo100 #4 81-288bo100 #5
180 181	100.00 100.00	65.25 154.00	7257.00 7257.00	8021.00 8021.00	7639.00 7639.00	100		1.49	1.00	1.00	1.00	4.79E-03	81-288bo100 #6
182	100.00	19.10	9677.00	10695.00	10186.00	100	0.71	1.49	1.00	1.00	1.00	1.53E-03	81-288bo100 #7
183	100.00	65.25	9677.00	10695.00	10186.00	100		1.49	1.00	1.00	1.00	6.01E-05 1.77E-04	81-288bo100 #8 81-288bo100 #9
184 185	100.00 100.00	154.00 19.10	9677.00 9677.00	10695.00 10695.00	10186.00 10186.00	100 100		1.49 1.49	1.00	1.00	1.00 1.00	1.77E-04 1.15E-03	81-288bo100 #1
186	100.00	19.10	10695.00	9677.00	10186.00	100	0.71	1.49	1.00	1.00	1.00	1.21E-03	81-288bo100 #2
187	150.00	19.10	218.00	418.00	318.00	50		1.49	1.00	1.00	1.00	1.43E-03	81-288bo150 #1
188 189	150.00 150.00	65.25 154.00	218.00 218.00	418.00 418.00	318.00 318.00	50 50		1.49 1.49	1.00	1.00 1.00	1.00	2.39E-03 6.05E-06	81-288bo150 #2 81-288bo150 #3
190	150.00	19.10	1173.00	1373.00	1273.00	50		1.49		1.00	1.00	2.60E-05	81-288bo150 #4

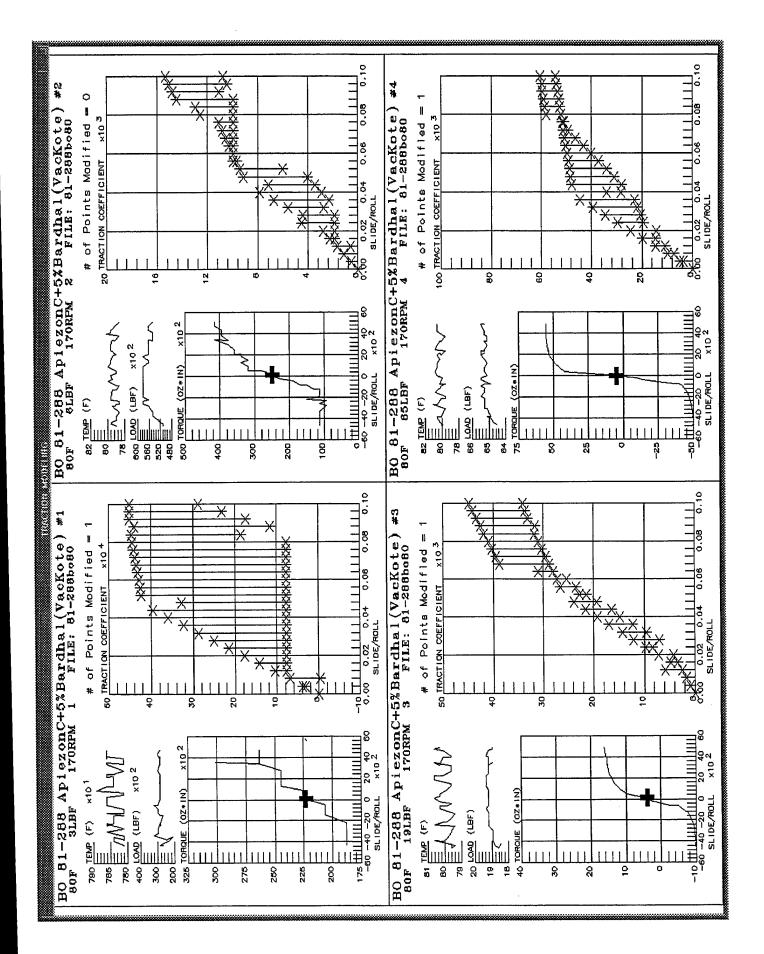
191 150.00 65.25 1173.00 1373.00 1273.00 50 0.71 1.49 1.00 1.00 1.00 5.94E-04 81-288bo150 192 150.00 154.00 1173.00 1373.00 50 0.71 1.49 1.00 1.00 1.00 4.05E-02 81-288bo150 193 150.00 19.10 2419.00 2673.00 2546.00 50 0.71 1.49 1.00 1.00 1.00 6.18E-05 81-288bo150 194 150.00 65.25 2419.00 2673.00 2546.00 50 0.71 1.49 1.00 1.00 1.00 3.63E-04 81-288bo150 195 150.00 154.00 2419.00 2673.00 2546.00 50 0.71 1.49 1.00 1.00 1.00 3.63E-04 81-288bo150 196 150.00 19.10 4838.00 5348.00 5093.00 50 0.71 1.49 1.00 1.00 1.00 5.63E-05 81-288bo150 197 150.00 65.25 4838.00 5348.00 5093.00	st#
193 150.00 19.10 2419.00 2673.00 2546.00 50 0.71 1.49 1.00 1.00 1.00 6.18E-05 81-288bo150 194 150.00 65.25 2419.00 2673.00 2546.00 50 0.71 1.49 1.00 1.00 1.00 3.63E-04 81-288bo150 195 150.00 154.00 2419.00 2673.00 2546.00 50 0.71 1.49 1.00 1.00 1.00 3.63E-04 81-288bo150 196 150.00 19.10 4838.00 5348.00 5093.00 50 0.71 1.49 1.00 1.00 1.00 5.63E-05 81-288bo150 197 150.00 65.25 4838.00 5348.00 5093.00 50 0.71 1.49 1.00 1.00 1.00 4.44E-05 81-288bo150 198 150.00 19.10 7257.00 8021.00 7639.00 50 0.71 1.49 1.00 1.00 1.00 4.44E-05 81-288bo150 201 150.00 65.25 7257.00 8021.00	
194 150.00 65.25 2419.00 2673.00 2546.00 50 0.71 1.49 1.00 1.00 3.63E-04 81-288bo150 195 150.00 154.00 2419.00 2673.00 2546.00 50 0.71 1.49 1.00 1.00 1.00 5.88E-03 81-288bo150 196 150.00 19.10 4838.00 5348.00 5093.00 50 0.71 1.49 1.00 1.00 1.00 5.63E-05 81-288bo150 197 150.00 65.25 4838.00 5348.00 5093.00 50 0.71 1.49 1.00 1.00 1.00 4.44E-05 81-288bo150 198 150.00 154.00 4838.00 5348.00 5093.00 50 0.71 1.49 1.00 1.00 1.00 4.44E-05 81-288bo150 199 150.00 19.10 7257.00 8021.00 7639.00 50 0.71 1.49 1.00 1.00 1.00 1.3E-05 81-288bo150 201 150.00 154.00 7257.00 8021.00 7639.00 <td></td>	
196 150.00 19.10 4838.00 5348.00 5093.00 50 0.71 1.49 1.00 1.00 1.00 5.63E-05 81-288bo150 197 150.00 65.25 4838.00 5348.00 5093.00 50 0.71 1.49 1.00 1.00 1.00 4.44E-05 81-288bo150 198 150.00 154.00 4838.00 5348.00 5093.00 50 0.71 1.49 1.00 1.00 1.00 3.93E-04 81-288bo150 199 150.00 19.10 7257.00 8021.00 7639.00 50 0.71 1.49 1.00 1.00 1.00 1.33E-05 81-288bo150 201 150.00 65.25 7257.00 8021.00 7639.00 50 0.71 1.49 1.00 1.00 1.00 1.32E-05 81-288bo150 202 150.00 19.10 9677.00 10695.00 10186.00 50 0.71 1.49 1.00 1.00 1.00 7.38E-04 81-288bo150 203 150.00 65.25 9677.00 10695.00	
197 150.00 65.25 4838.00 5348.00 5093.00 50 0.71 1.49 1.00 1.00 1.00 4.44E-05 81-288bo150 198 150.00 154.00 4838.00 5348.00 5093.00 50 0.71 1.49 1.00 1.00 1.00 3.93E-04 81-288bo150 199 150.00 19.10 7257.00 8021.00 7639.00 50 0.71 1.49 1.00 1.00 1.00 1.3E-05 81-288bo150 200 150.00 65.25 7257.00 8021.00 7639.00 50 0.71 1.49 1.00 1.00 1.00 2.73E-04 81-288bo150 201 150.00 154.00 7257.00 8021.00 7639.00 50 0.71 1.49 1.00 1.00 1.00 2.73E-04 81-288bo150 202 150.00 19.10 9677.00 10695.00 10186.00 50 0.71 1.49 1.00 1.00 1.00 1.38E-05 81-288bo150 204 150.00 154.00 9677.00 10695.00 <td></td>	
199 150.00 19.10 7257.00 8021.00 7639.00 50 0.71 1.49 1.00 1.00 1.00 1.13E-05 81-288bo150 200 150.00 65.25 7257.00 8021.00 7639.00 50 0.71 1.49 1.00 1.00 1.00 2.73E-04 81-288bo150 201 150.00 154.00 7257.00 8021.00 7639.00 50 0.71 1.49 1.00 1.00 1.00 7.88E-04 81-288bo150 202 150.00 19.10 9677.00 10695.00 10186.00 50 0.71 1.49 1.00 1.00 1.00 1.38E-05 81-288bo150 203 150.00 65.25 9677.00 10695.00 10186.00 50 0.71 1.49 1.00 1.00 1.00 1.44E-04 81-288bo150 204 150.00 154.00 9677.00 10695.00 10186.00 50 0.71 1.49 1.00 1.00 1.00 1.44E-04 81-288bo150 205 150.00 65.25 168.00 468.00 <td>0 #11</td>	0 #11
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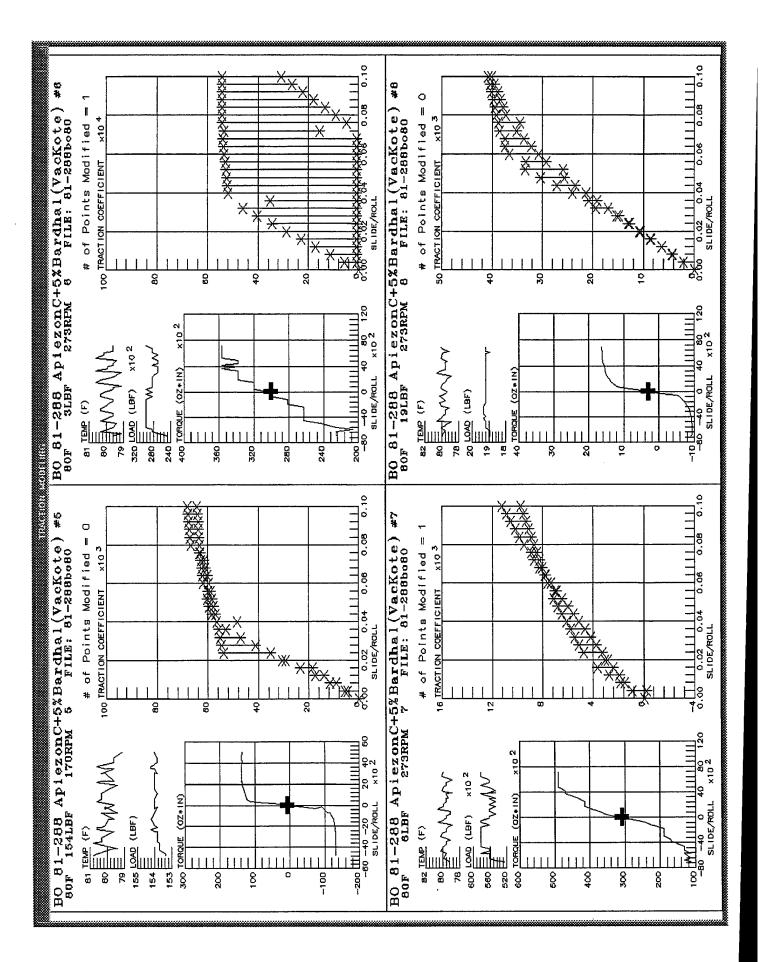
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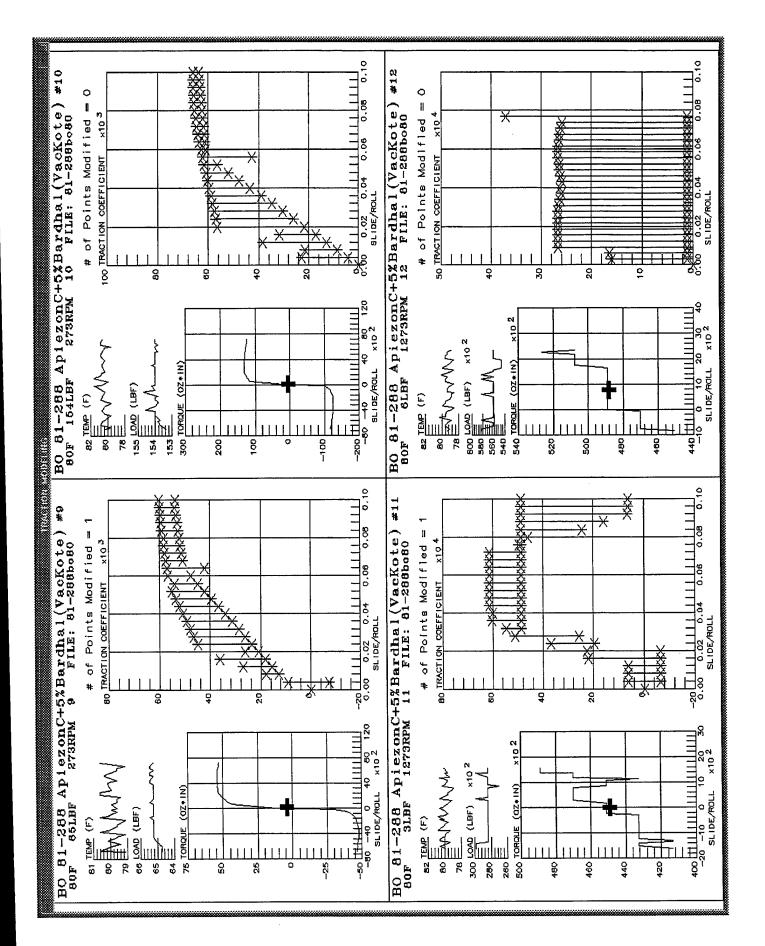
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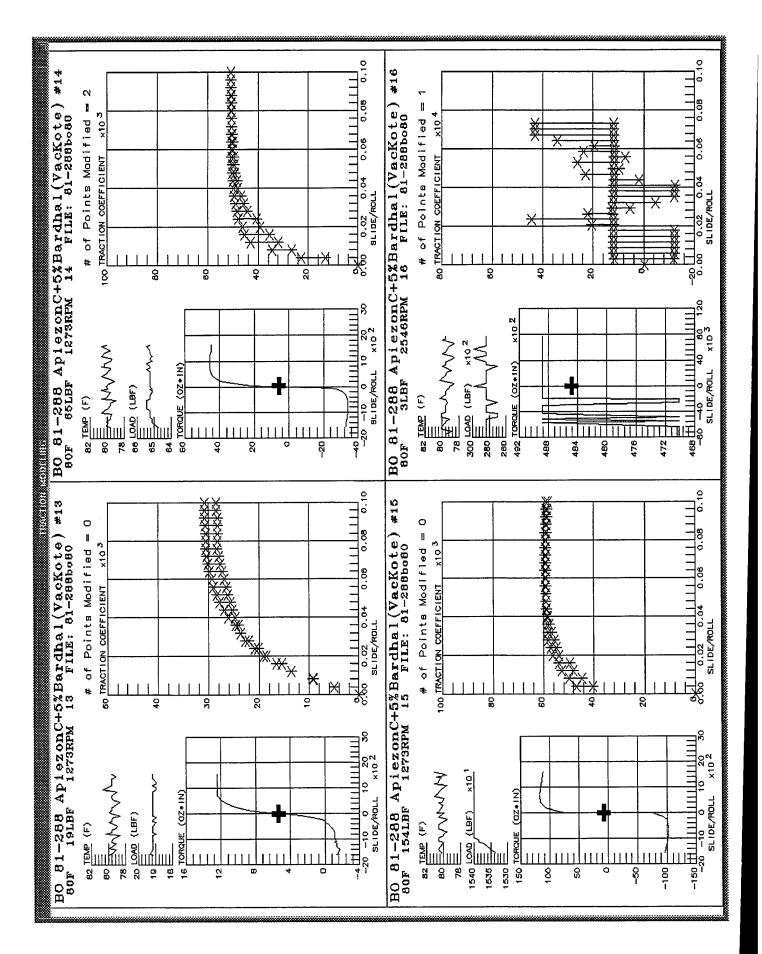
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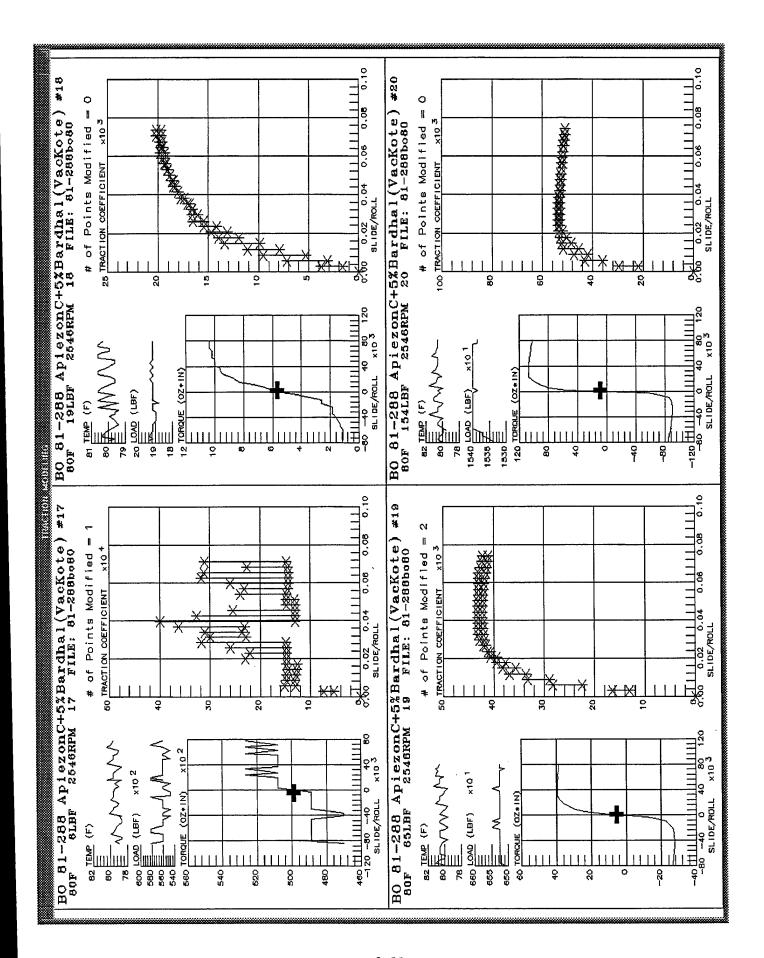
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bo4.dat	80.00	10186.00	29 48 88
bo5.dat	100.00	2546.00	148 166 167
bo6.dat	100.00	5093.00	176 111 139
bo7.dat	100.00	7639.00	179 180 142
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bo9.dat	150.00	2546.00	193 209 210
bo10.dat	150.00	5093.00	196 197 198
bo11.dat	150.00	7639.00	199 200 201
bo12.dat	150.00	10186.00	202 203 204
bo13.dat	200.00	2546.00	217 218 219
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bo15.dat	200.00	7639.00	223 224 225
bo16.dat	200.00	10186.00	226 227 228
bo17.dat	250.00	2546.00	245 246 247
bo18.dat	250.00	5093.00	248 249 235
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bo20.dat	250.00	10186.00	254 255 238
bo21.dat	300.00	2546.00	263 264 265
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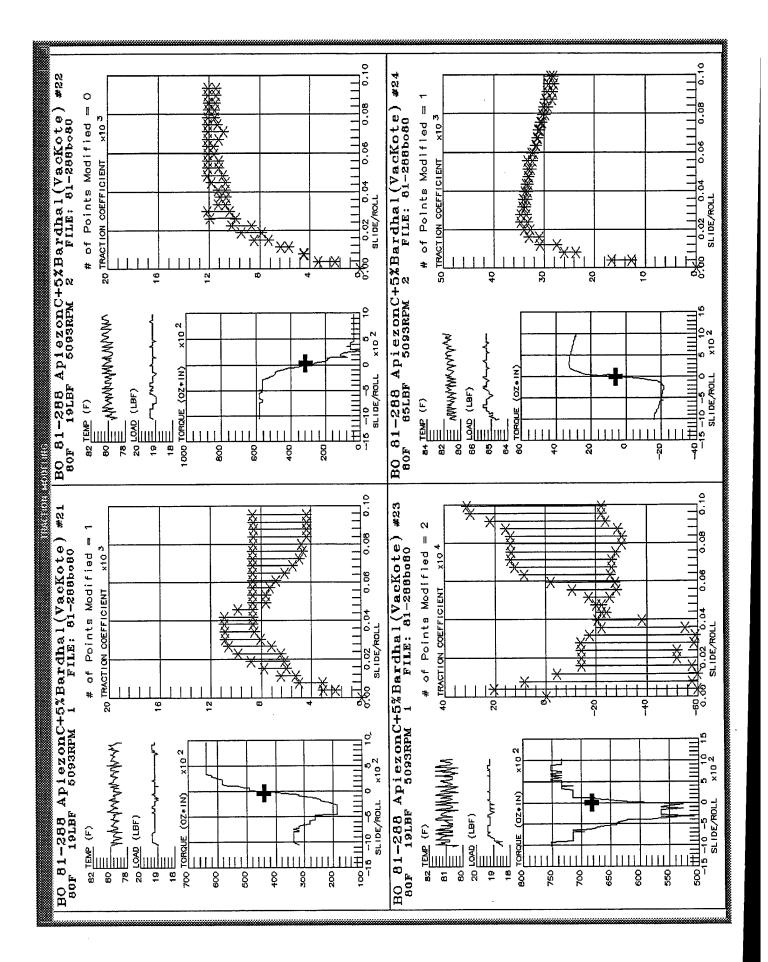


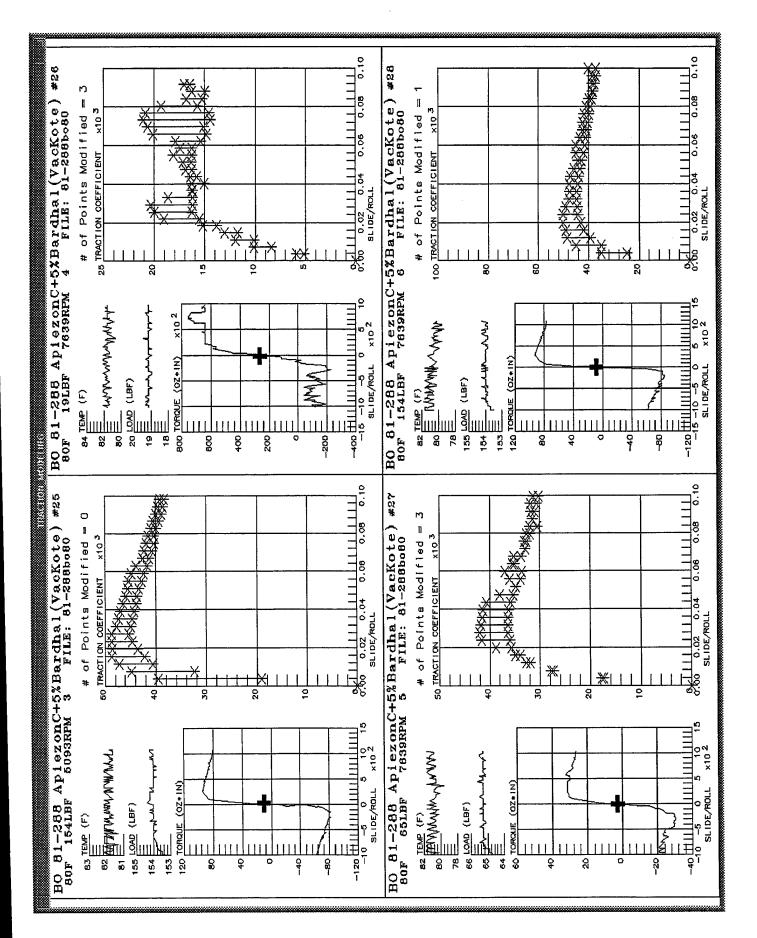


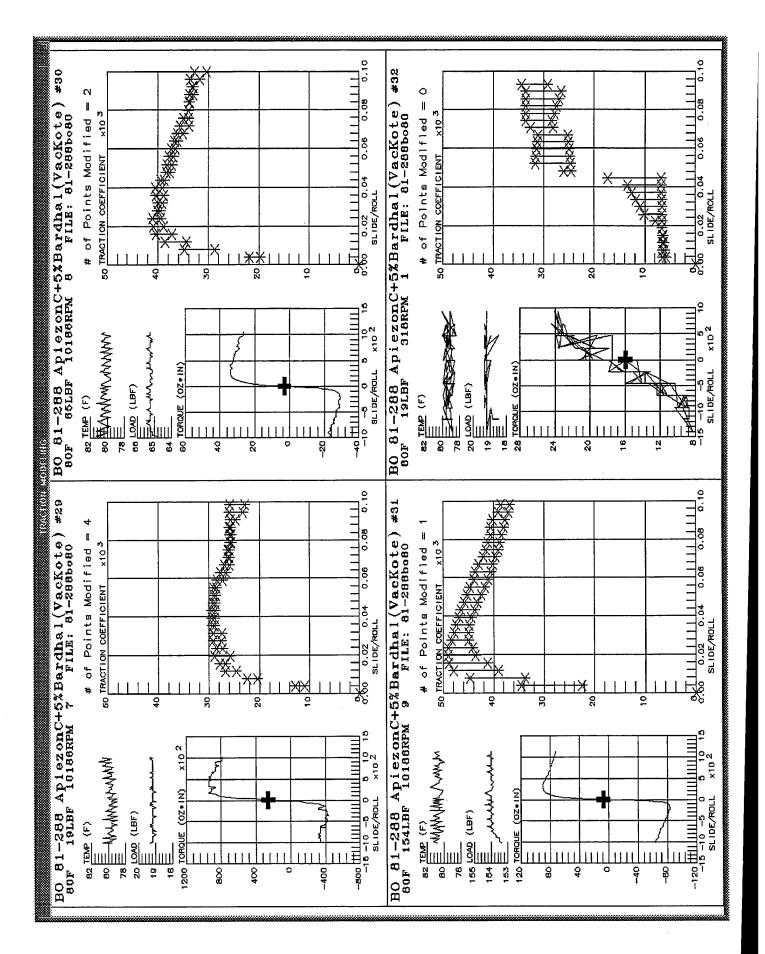


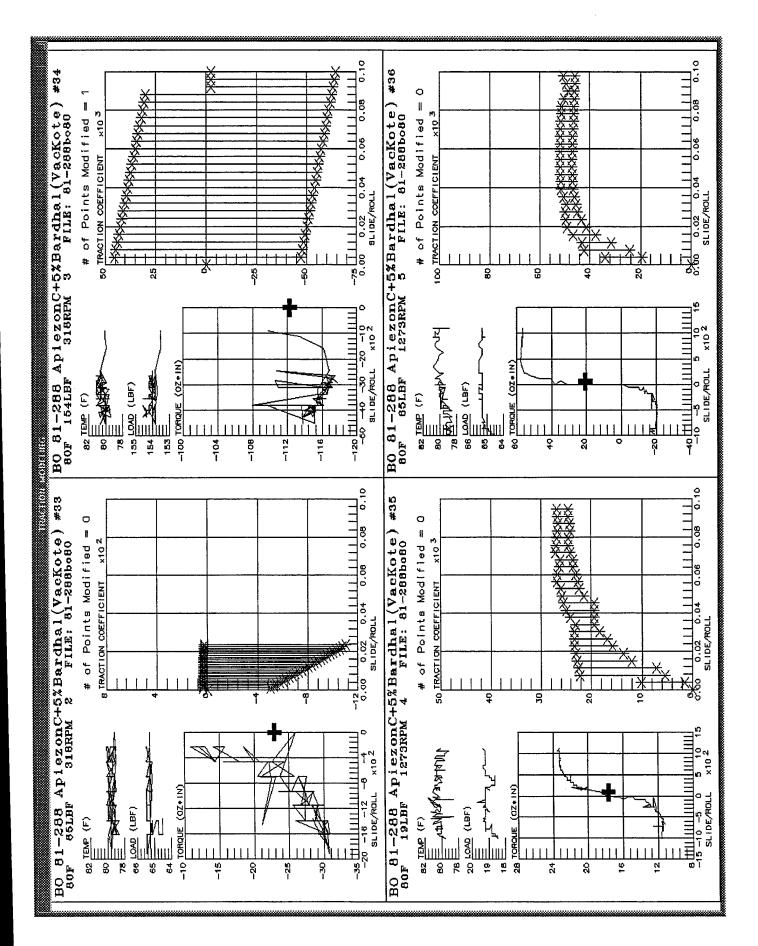


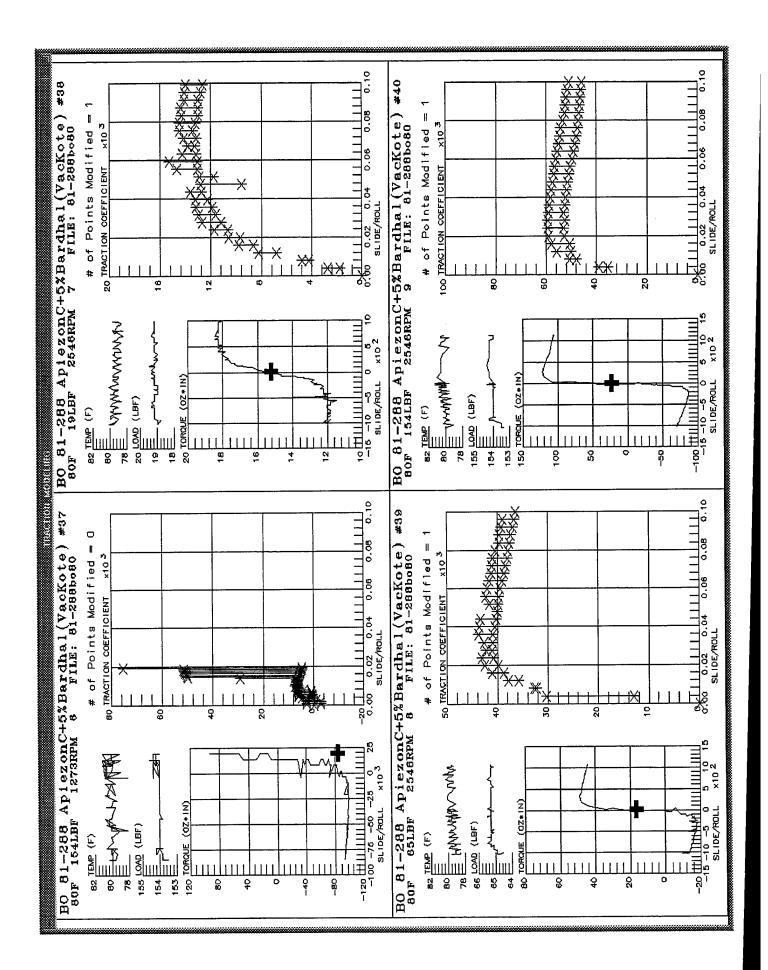


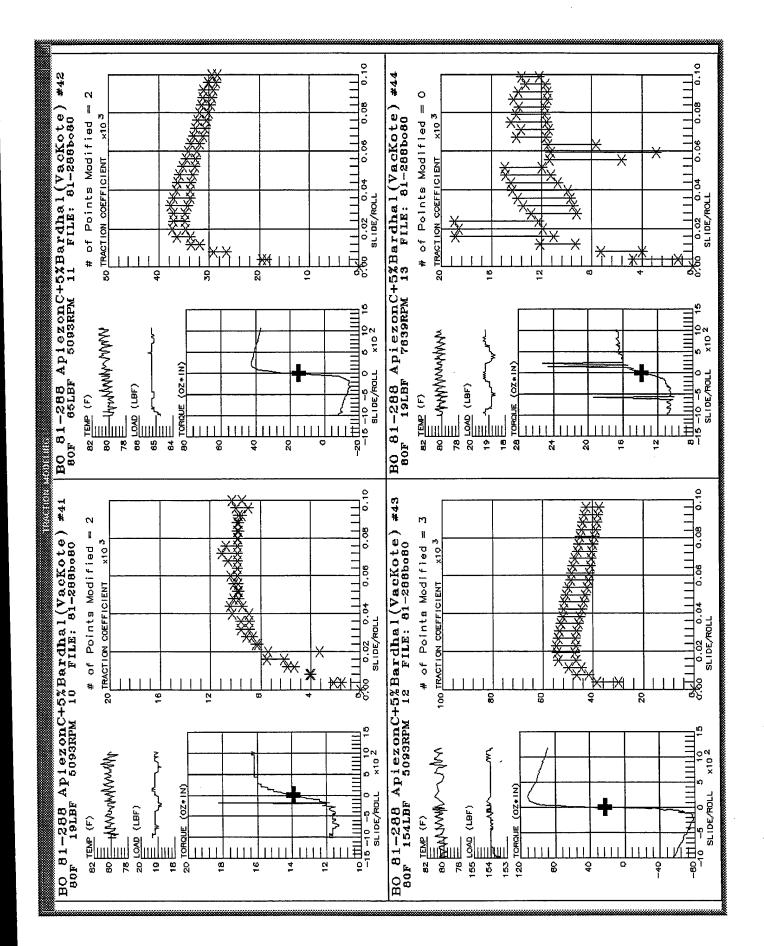


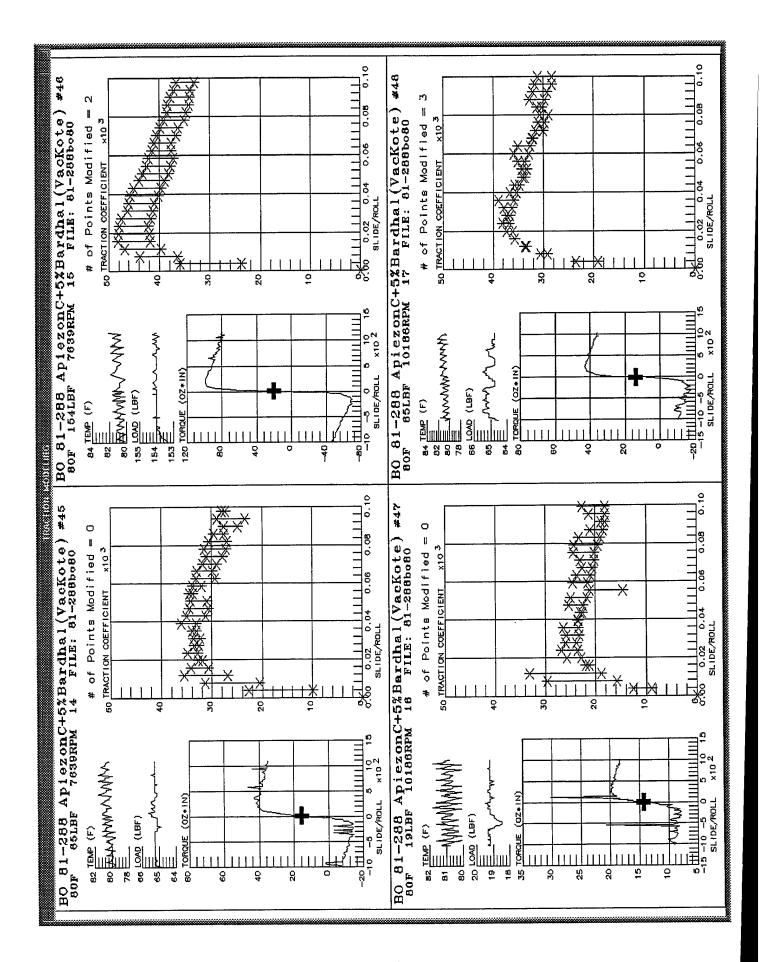


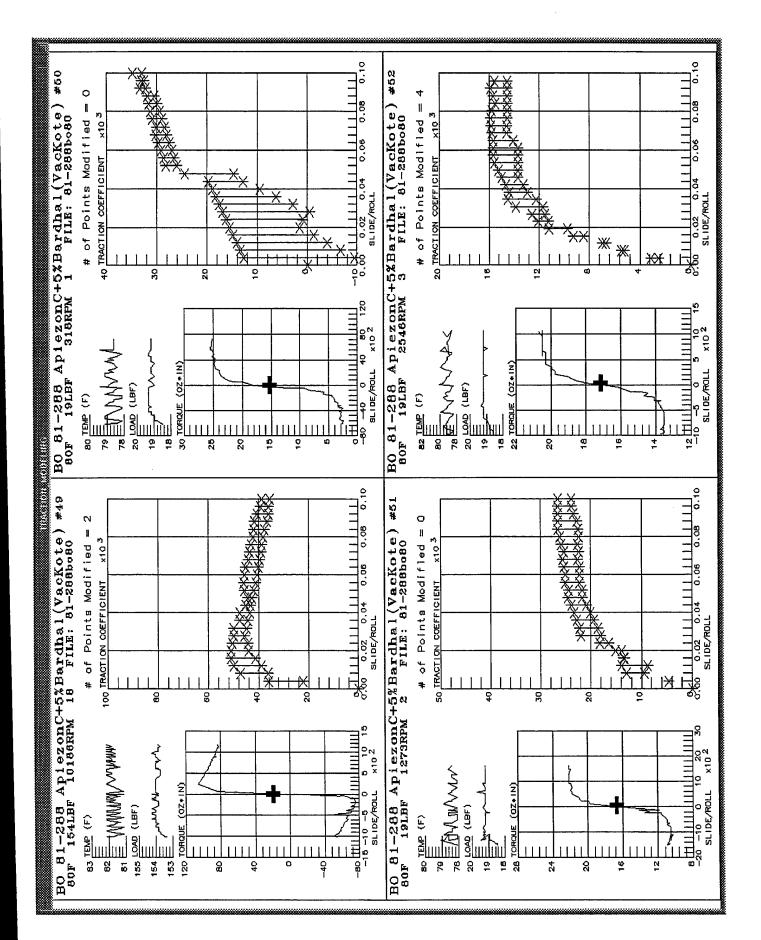


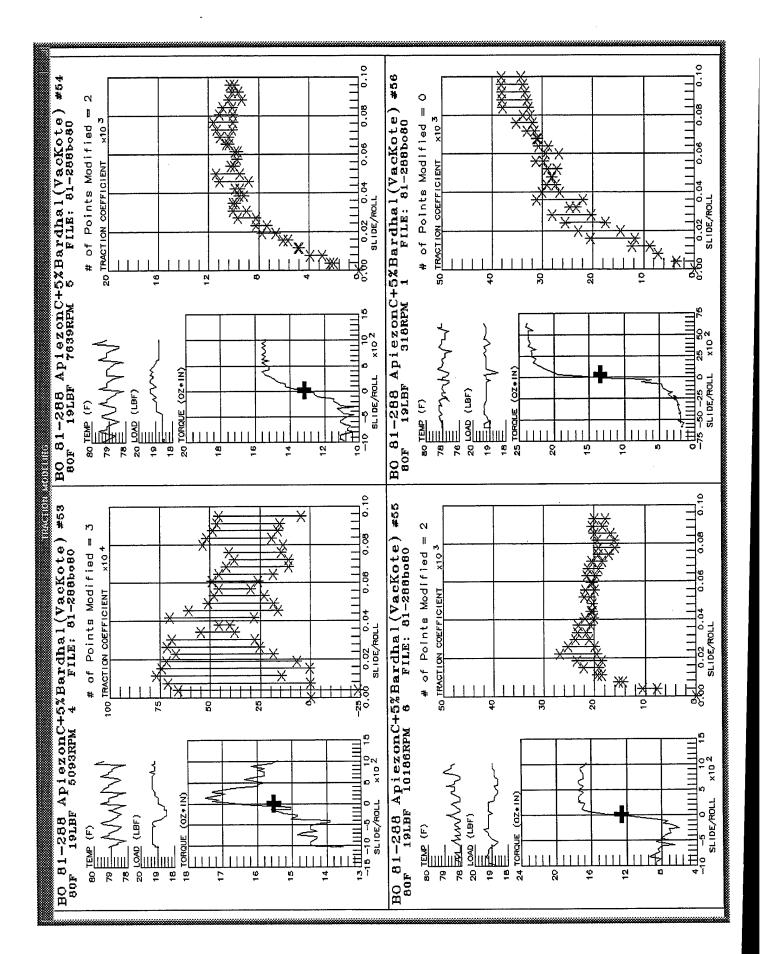


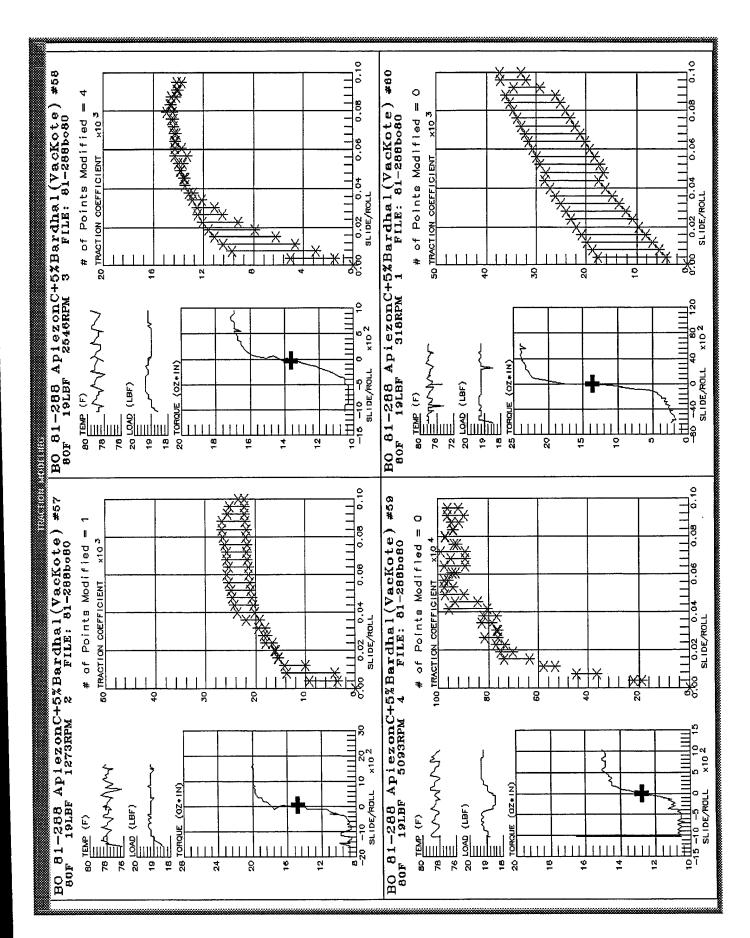


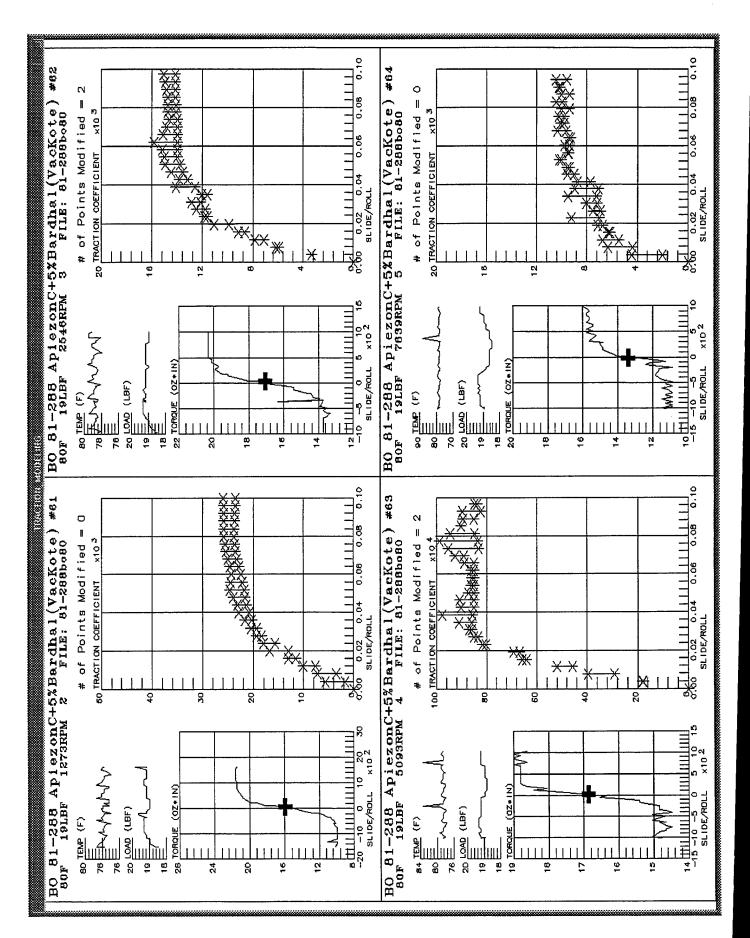


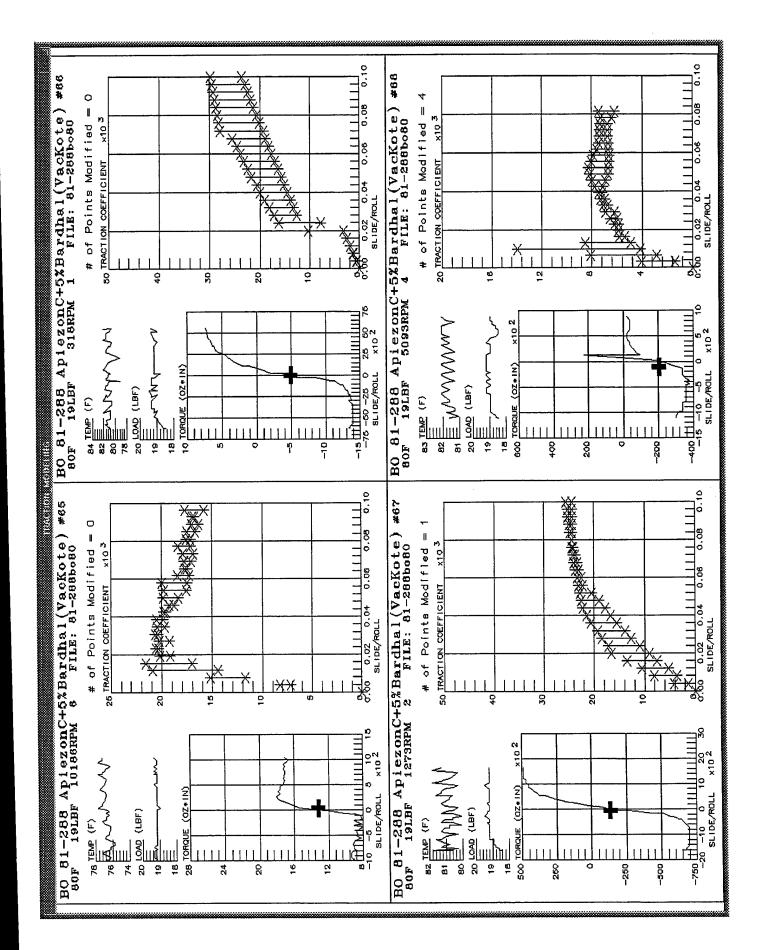


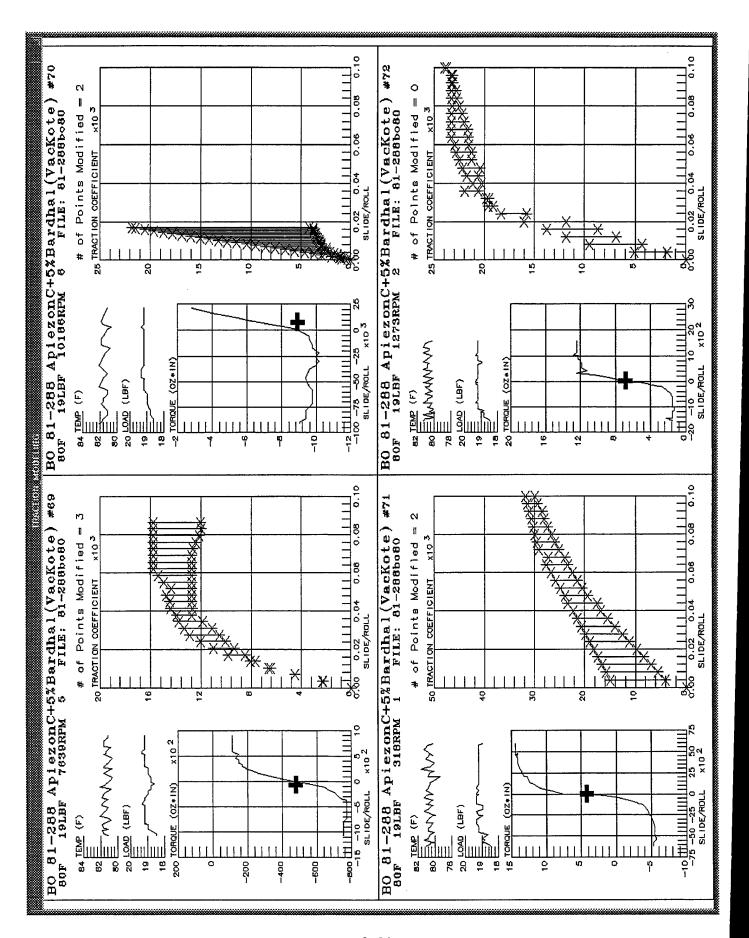


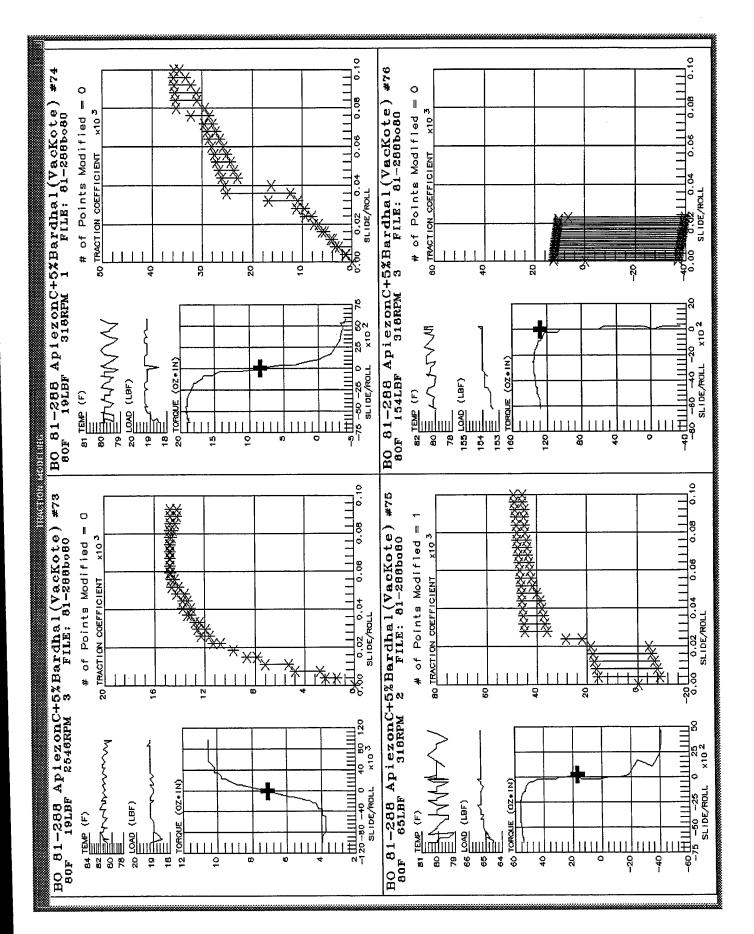


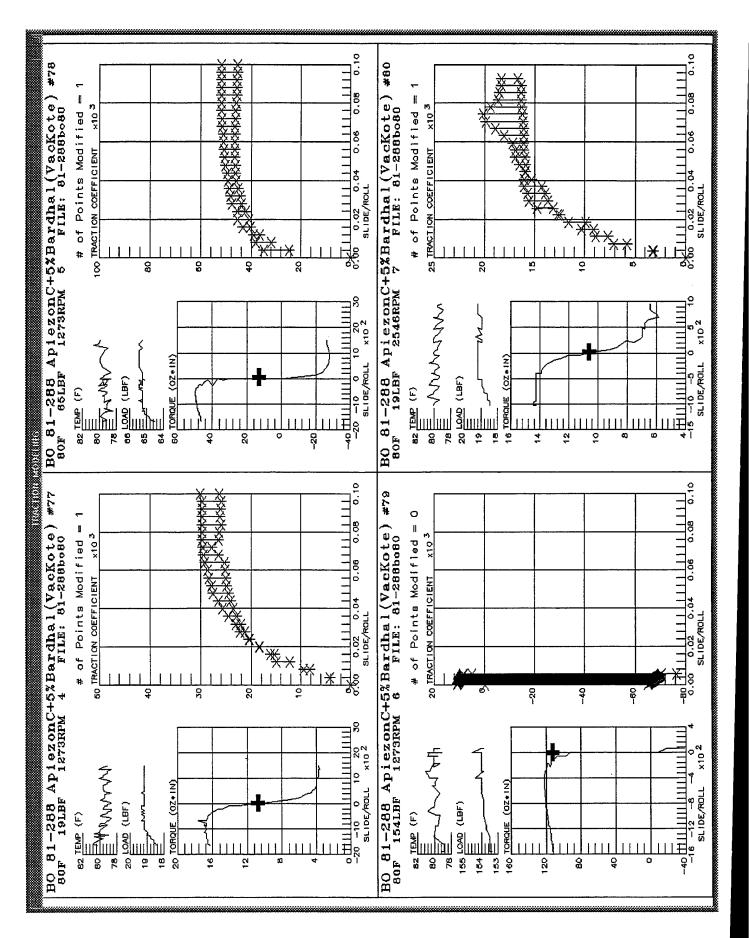


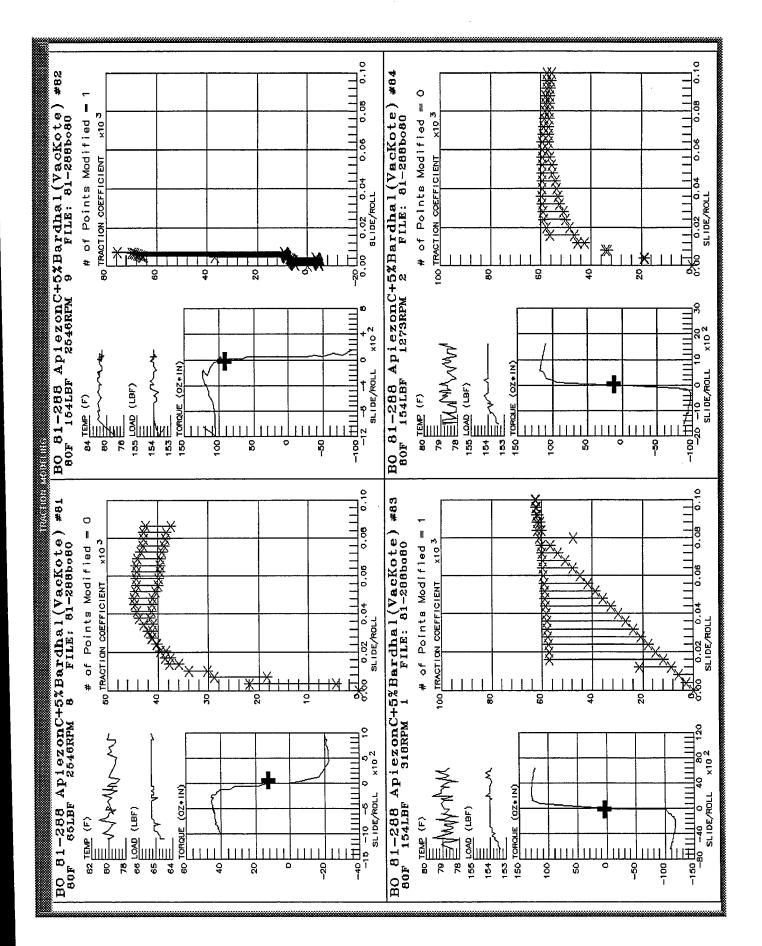


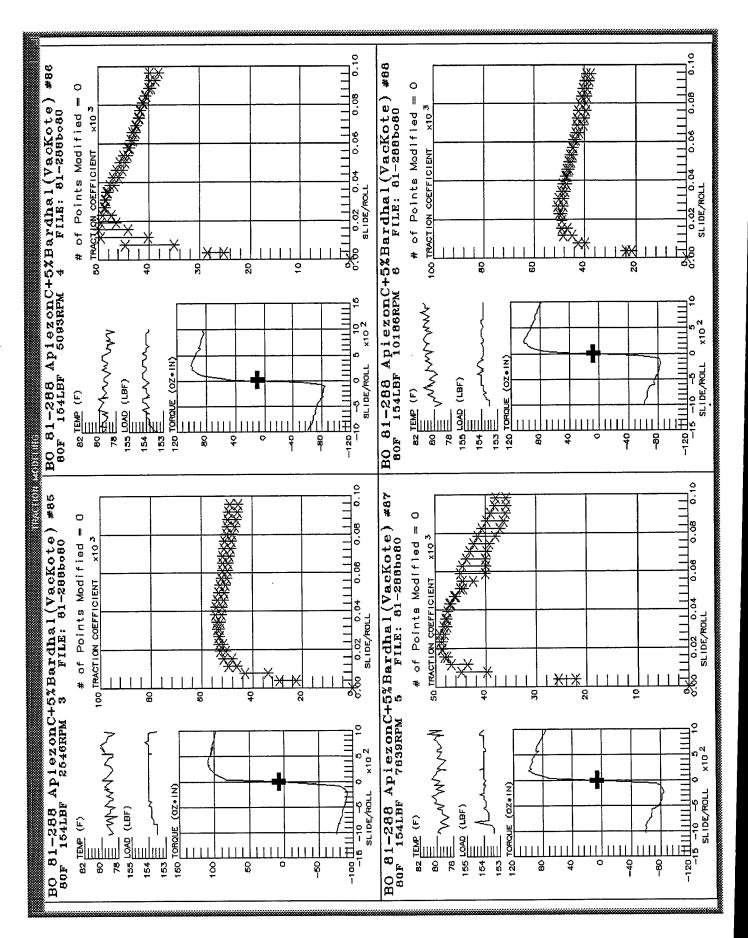


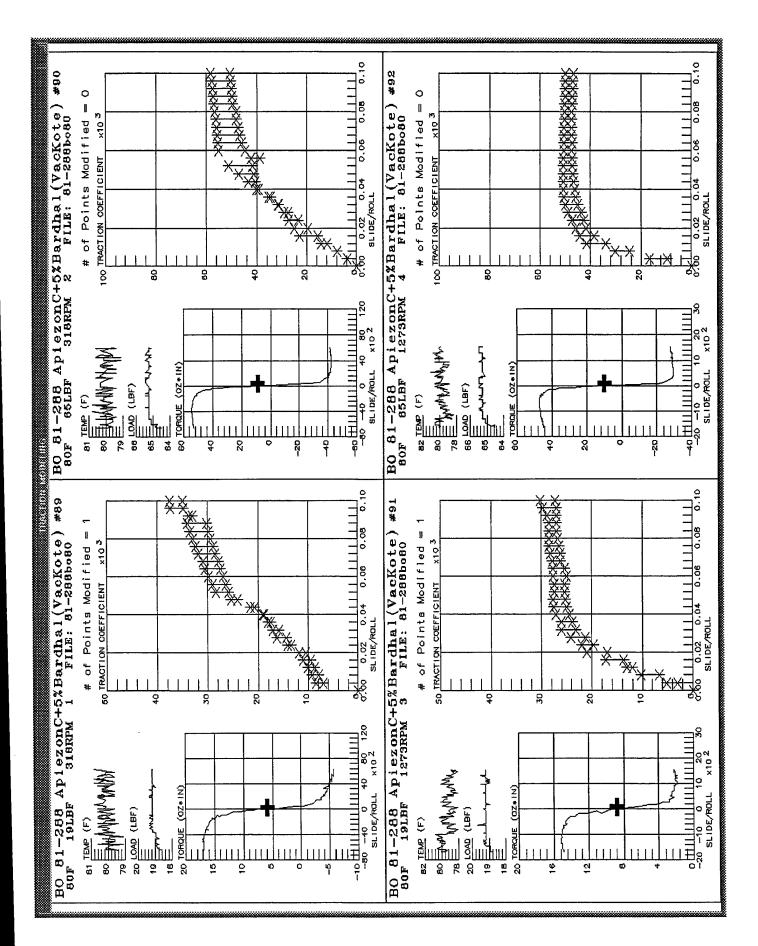


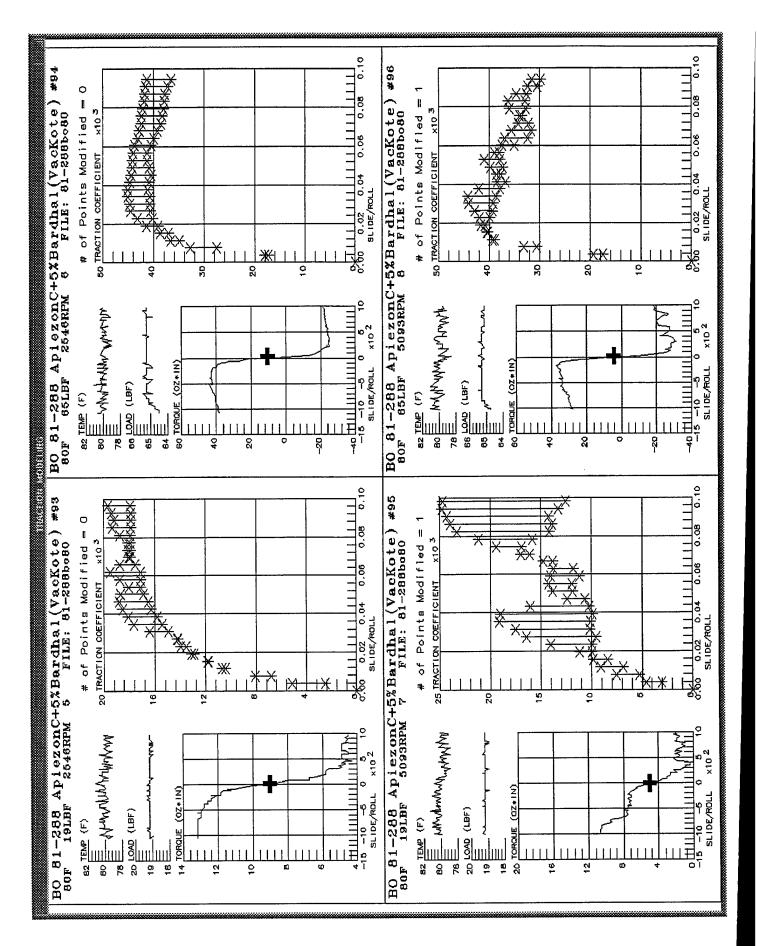


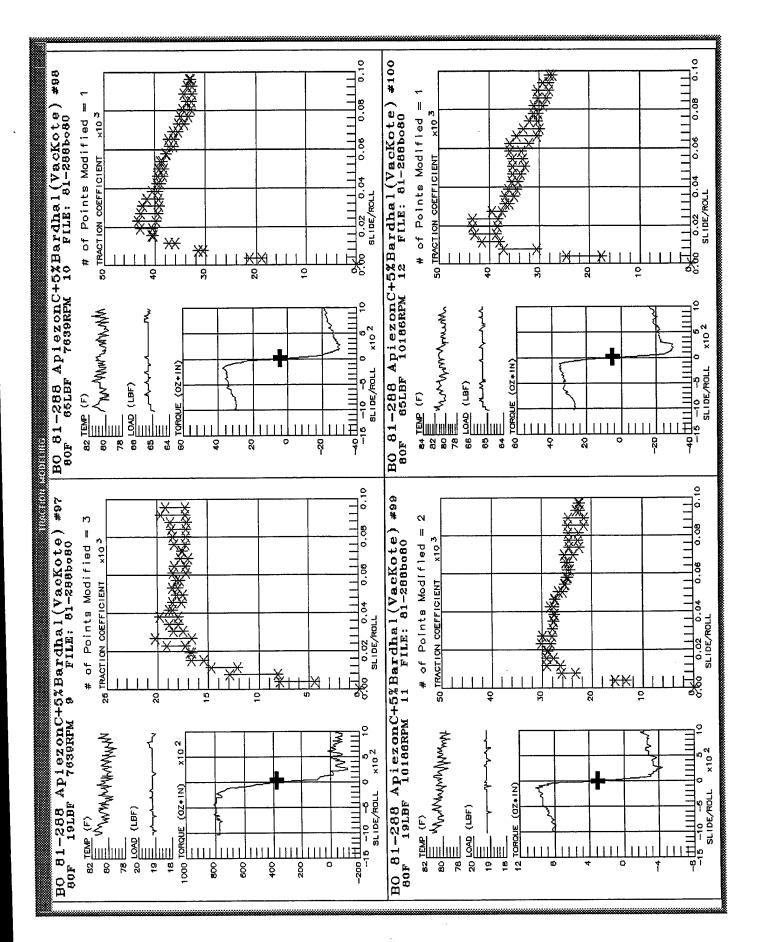


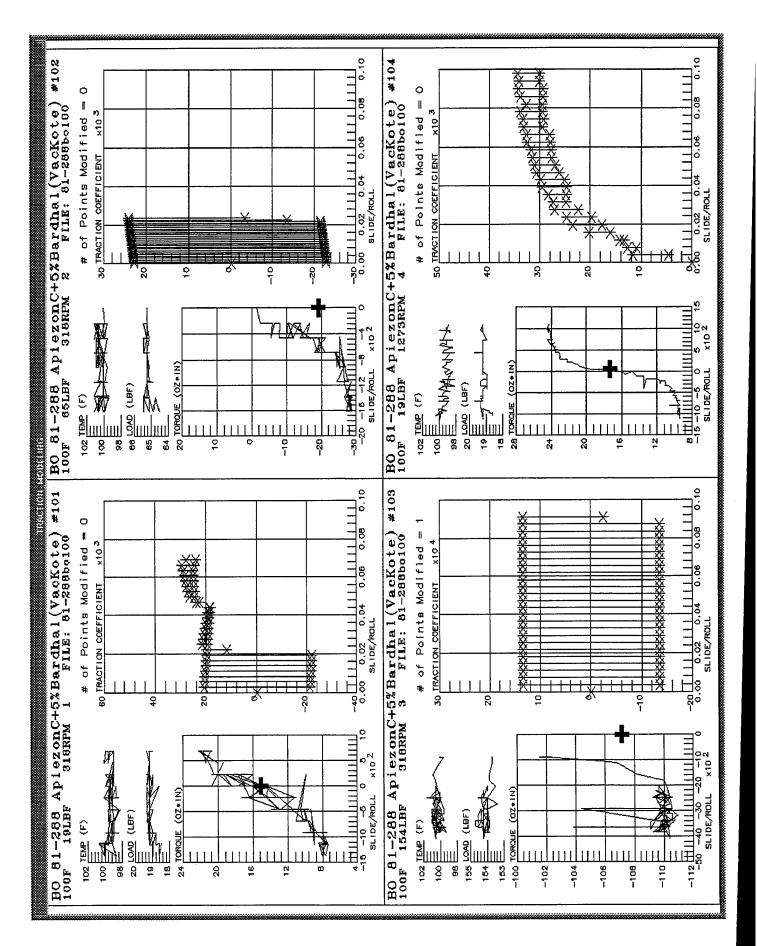


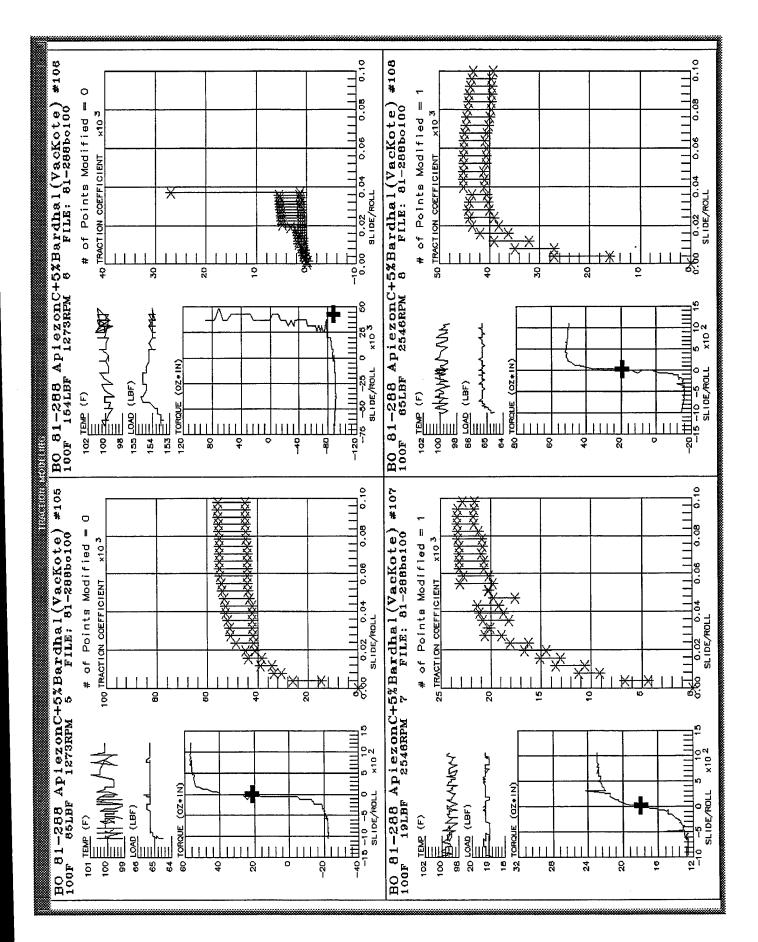


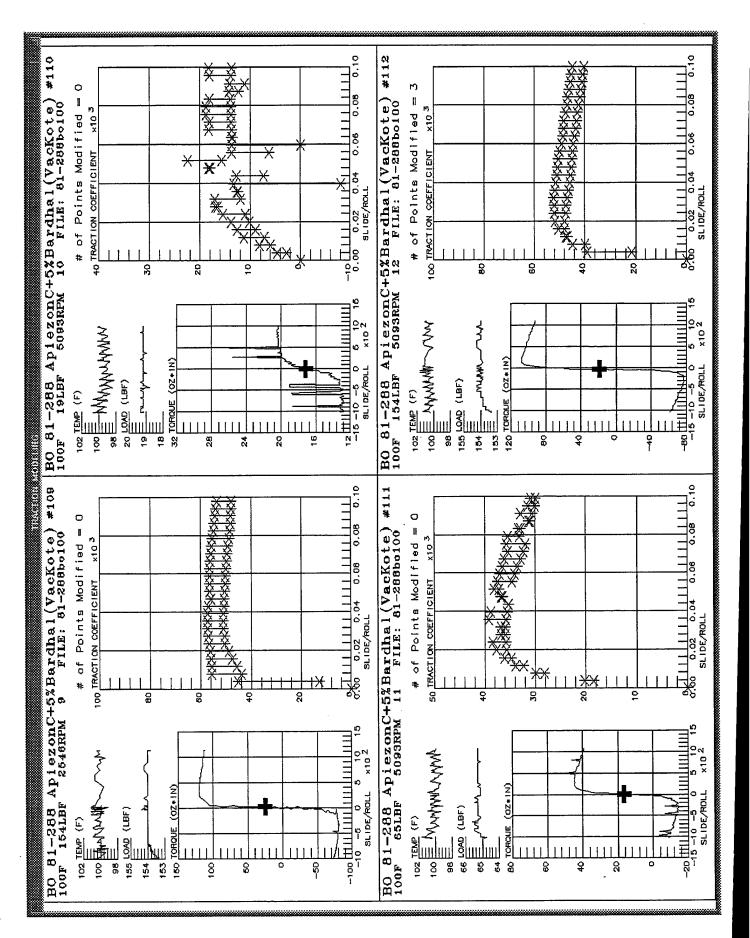


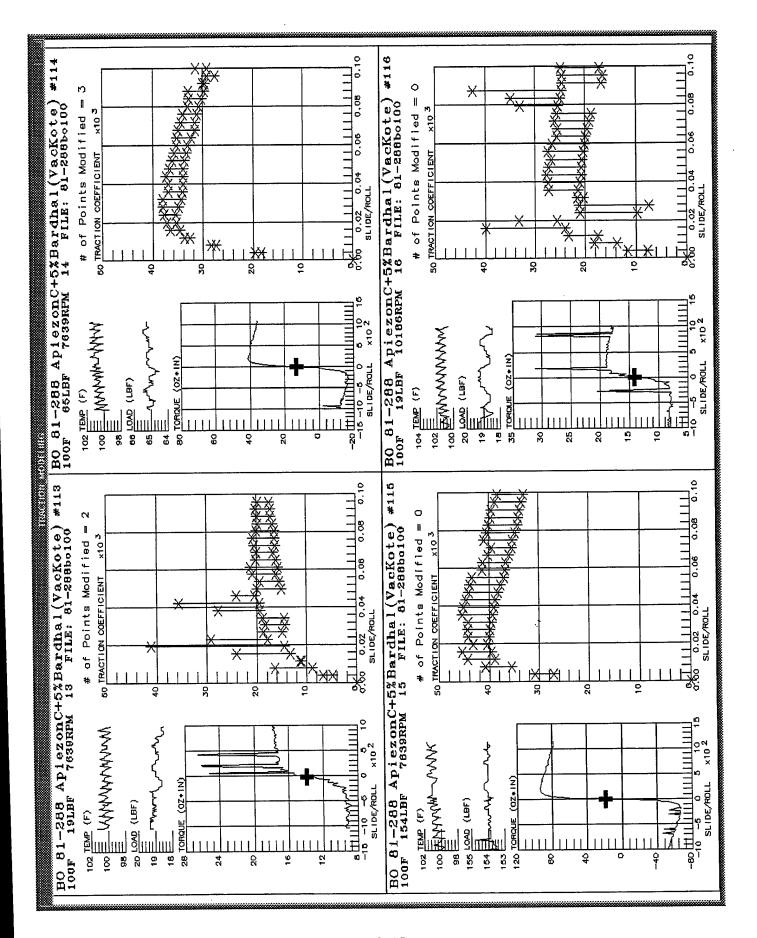


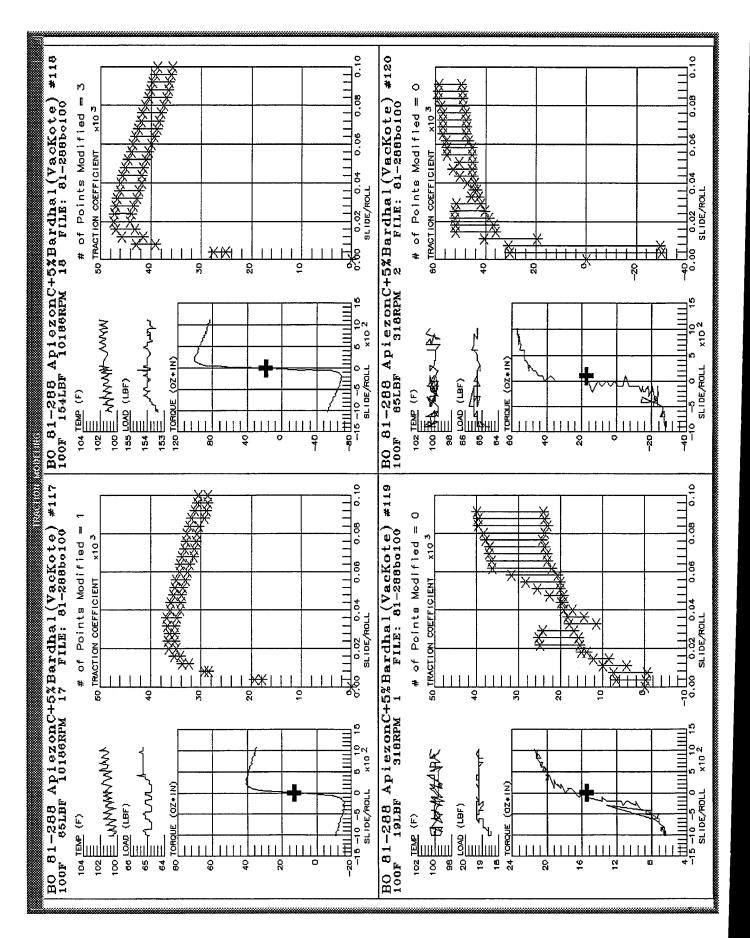


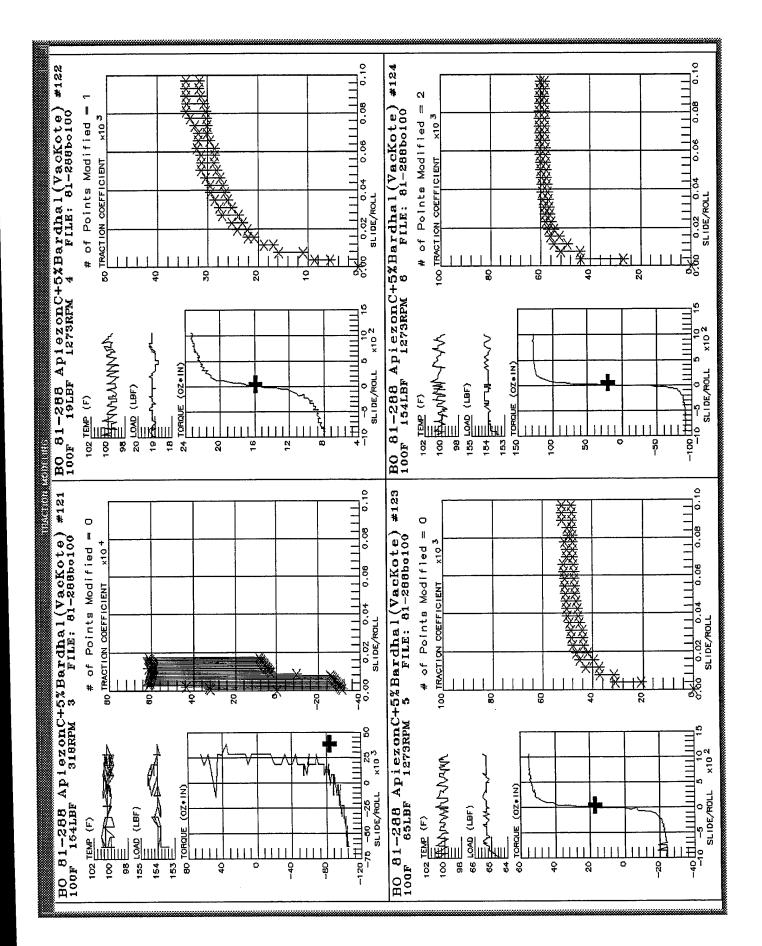


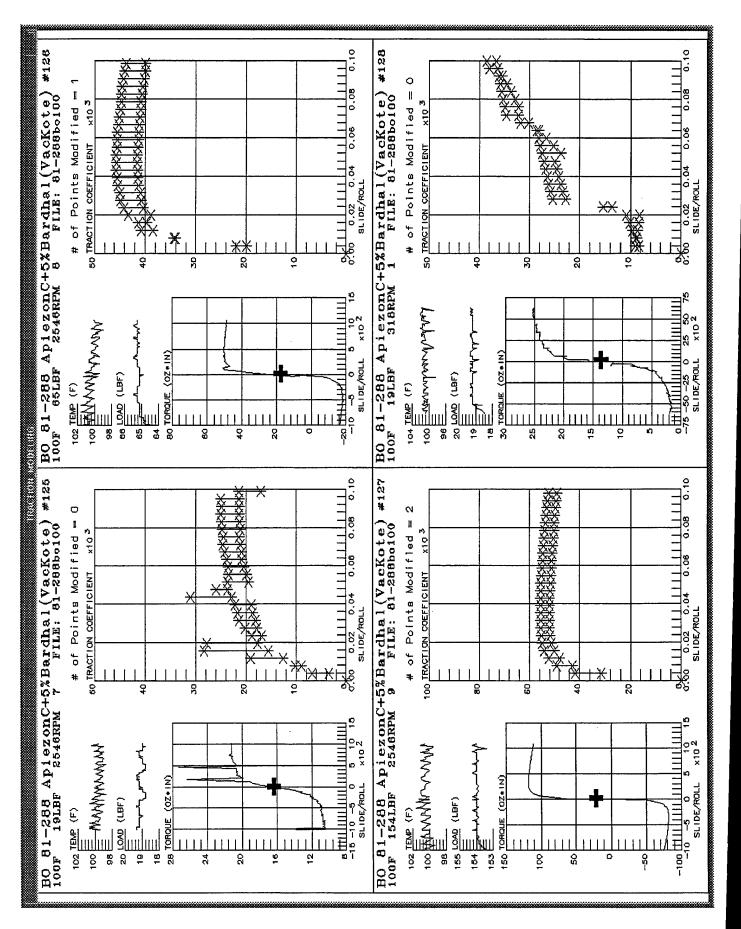


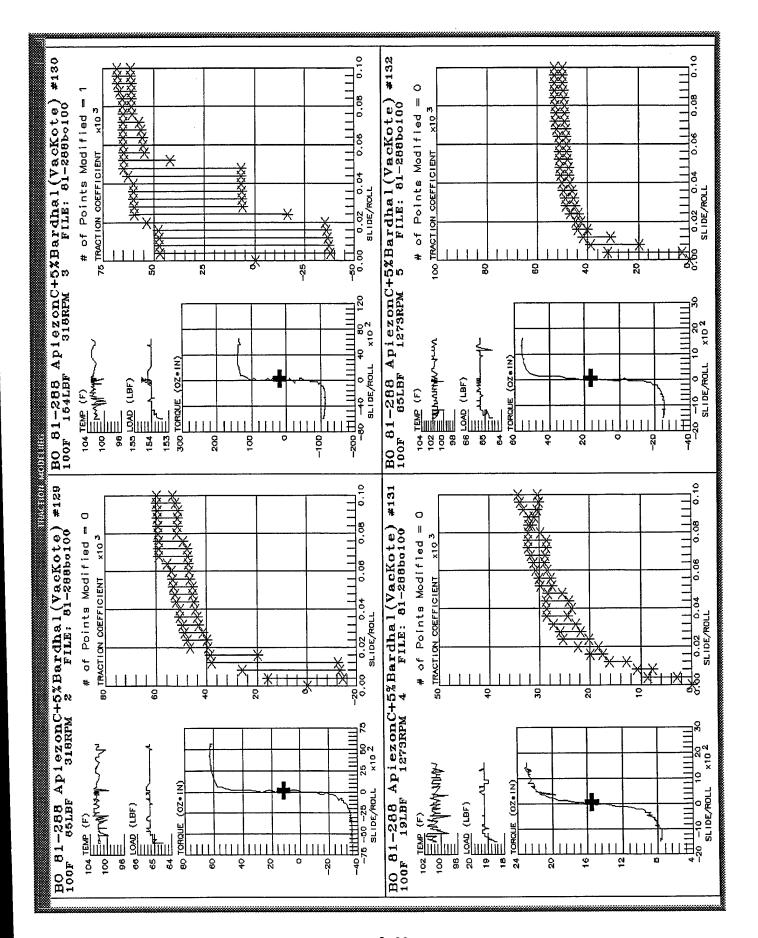


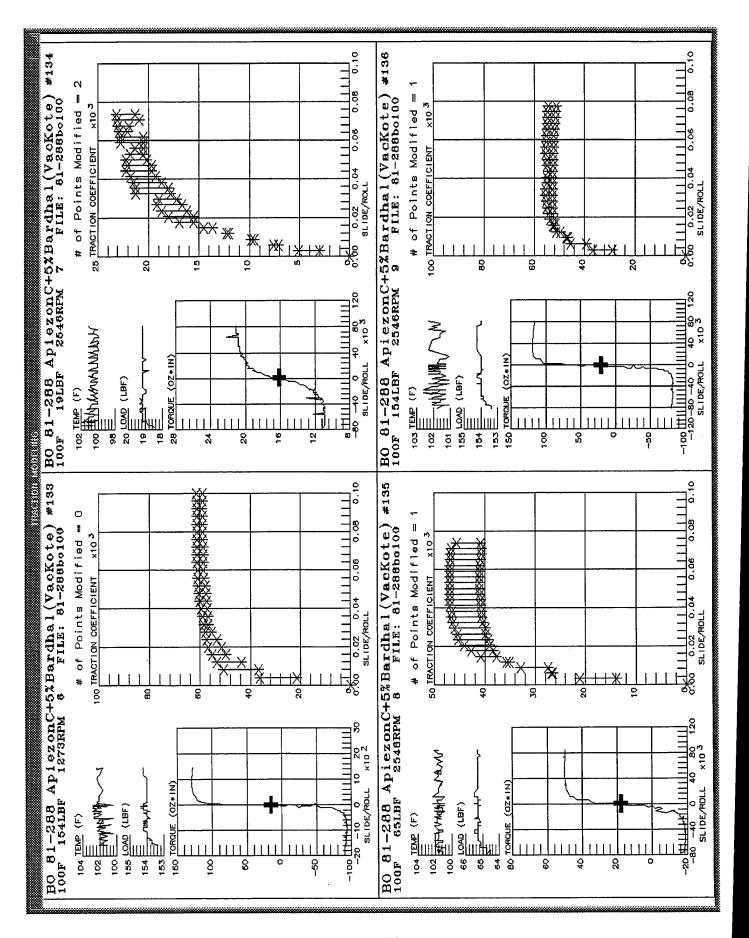


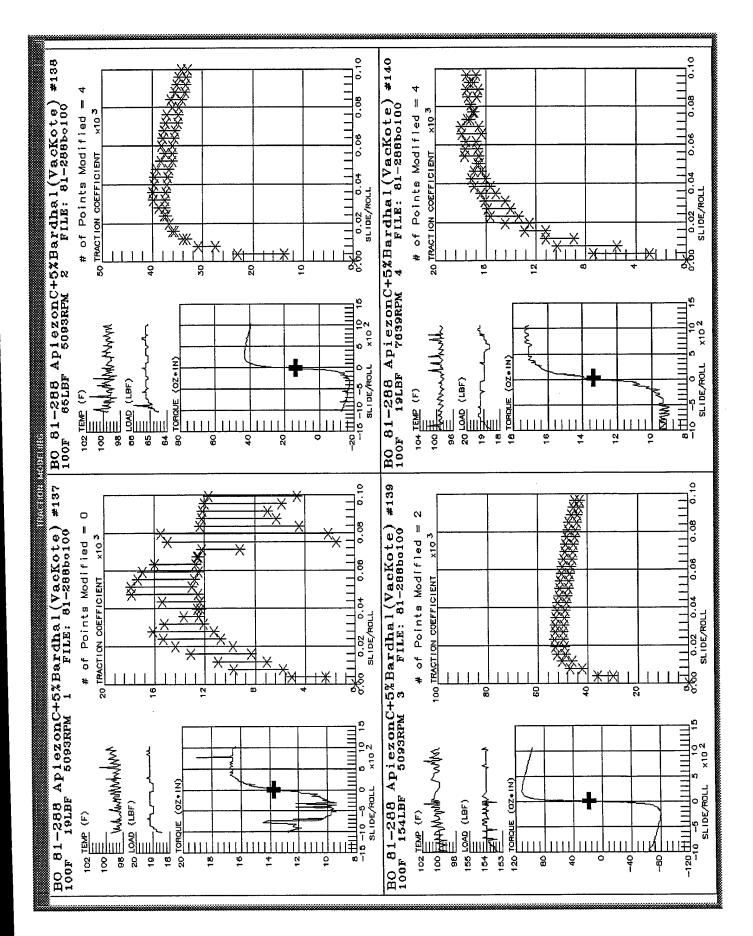


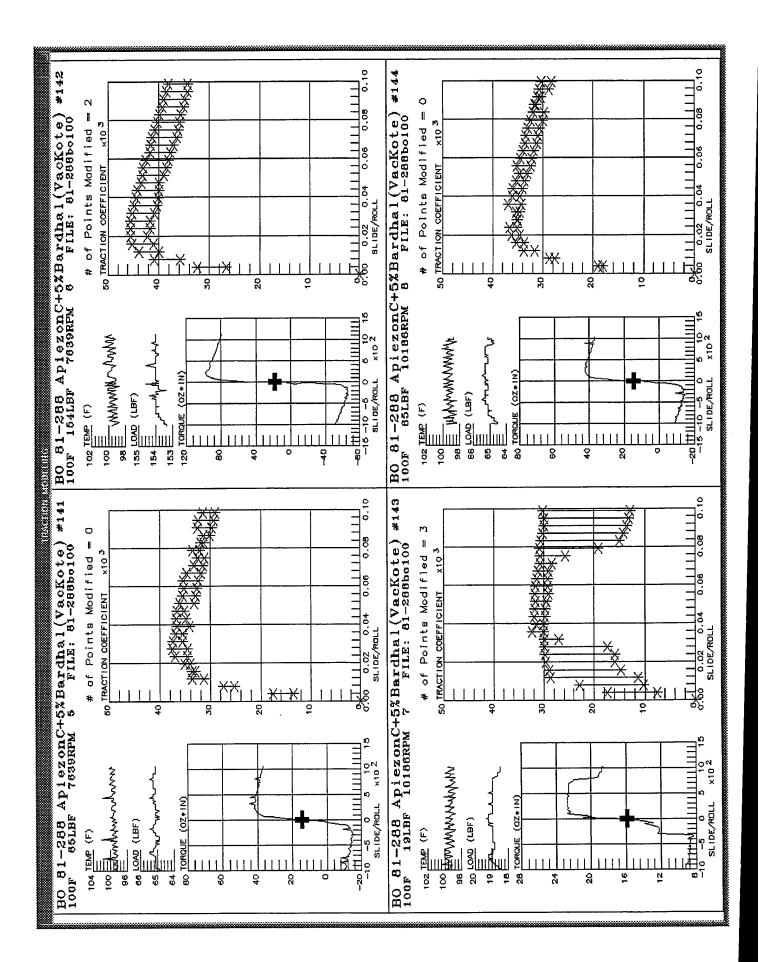


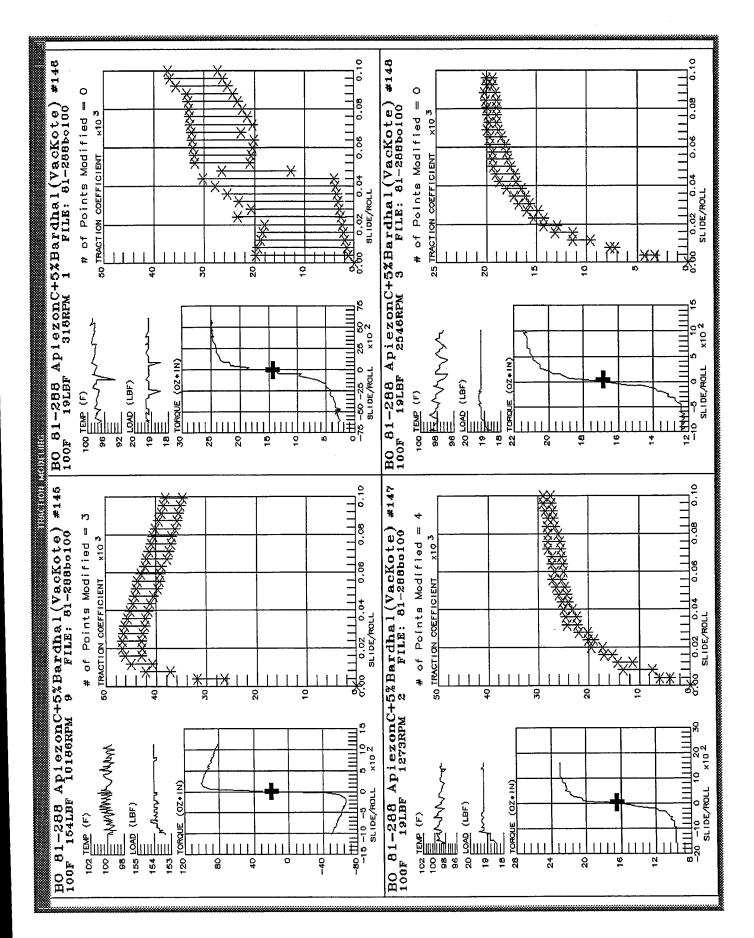


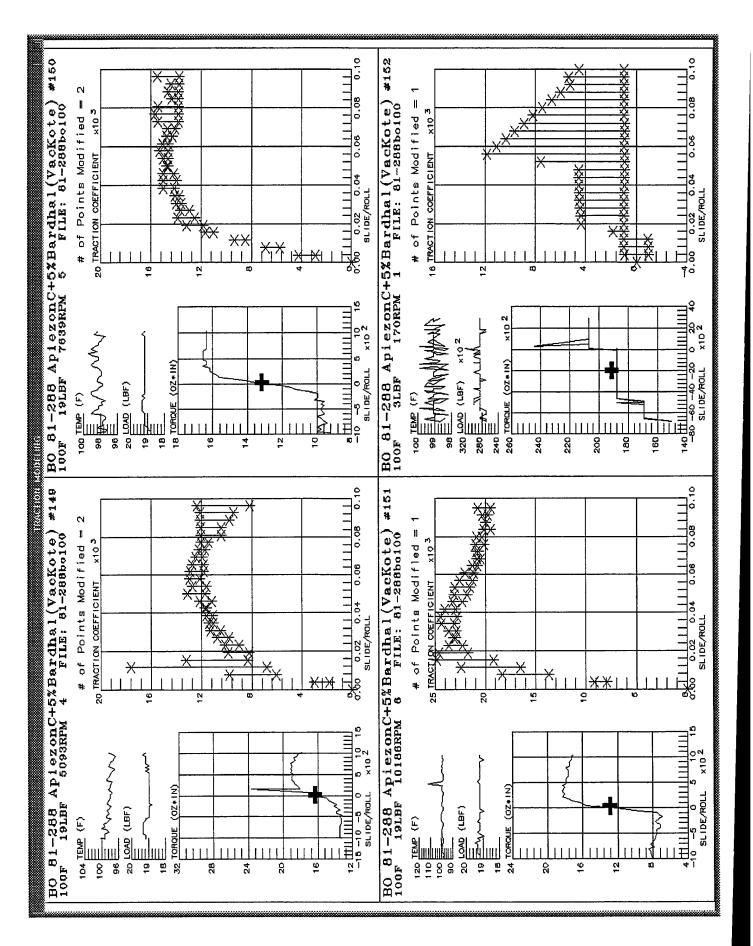


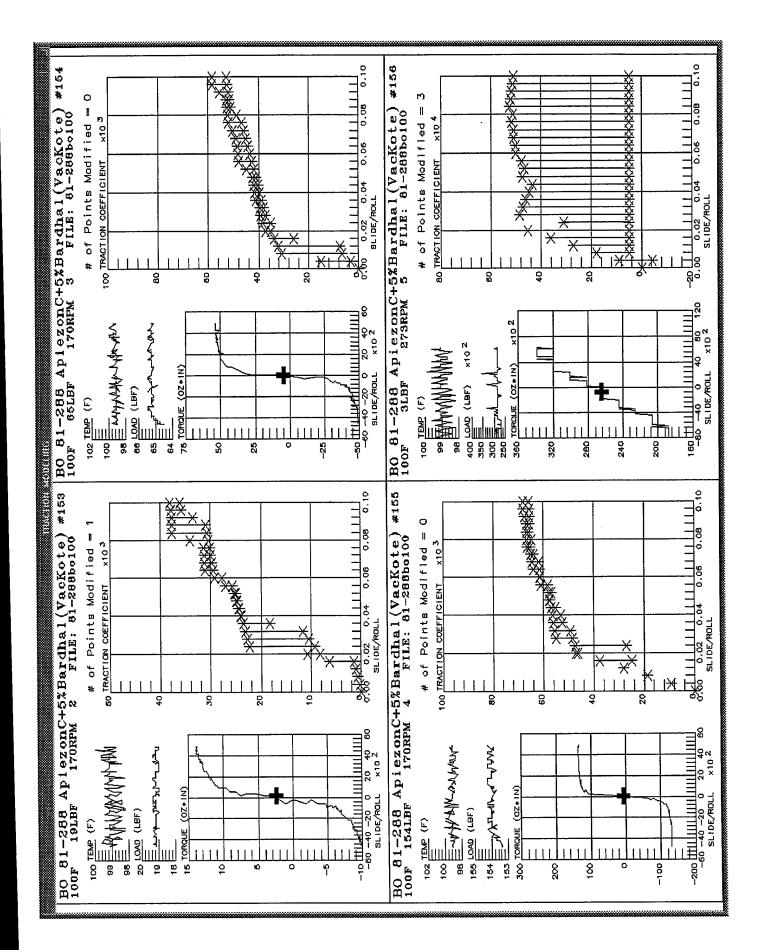


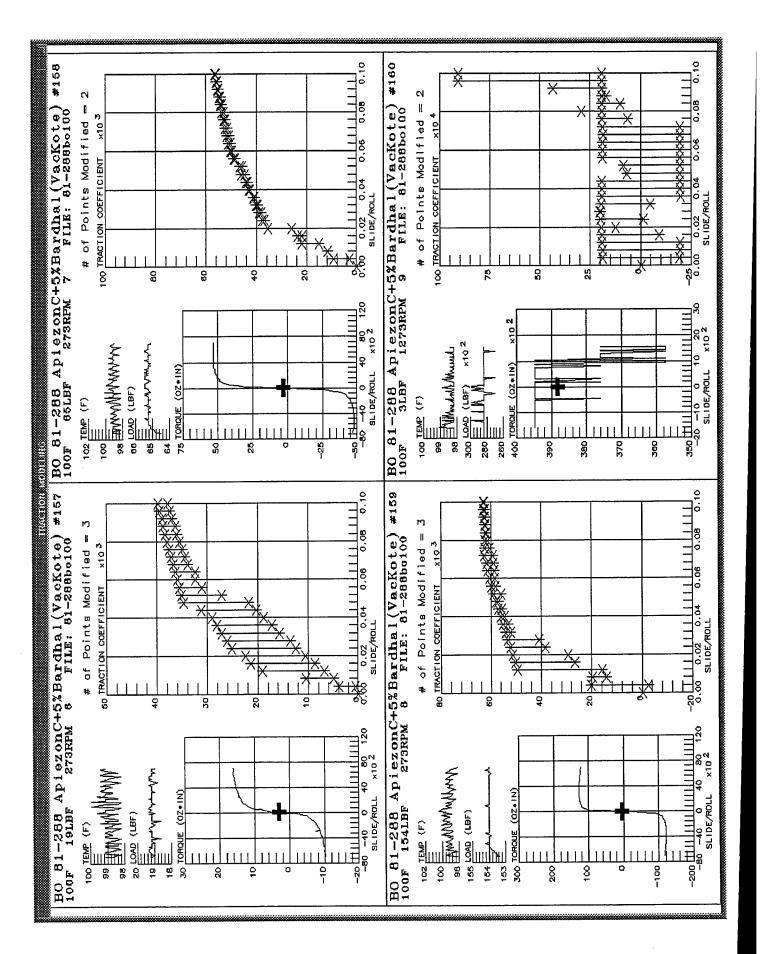


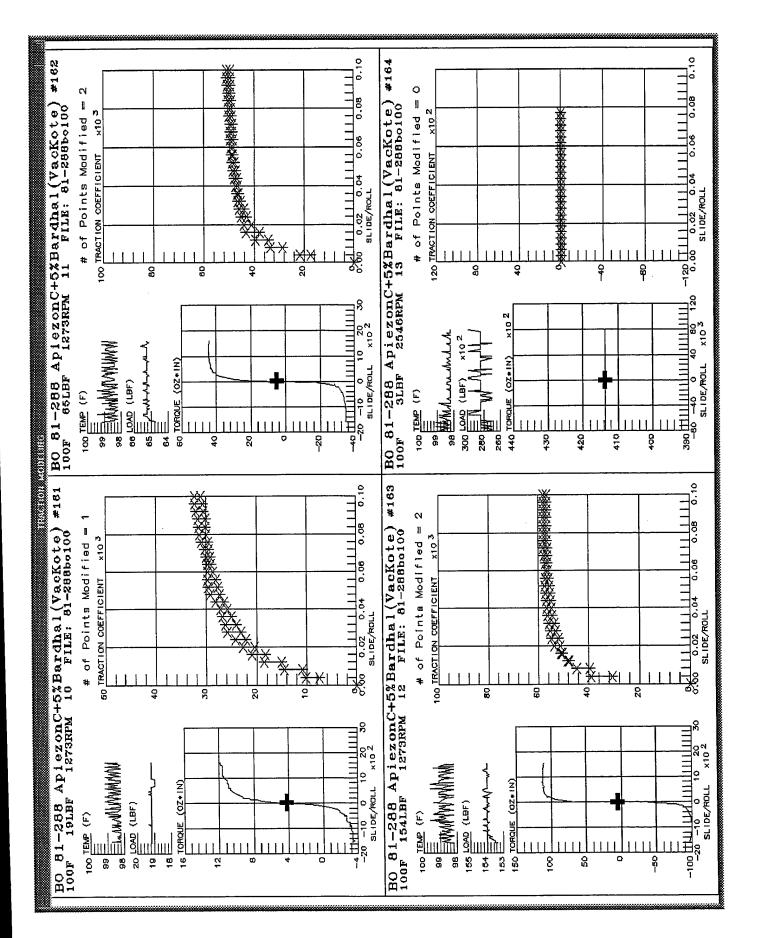


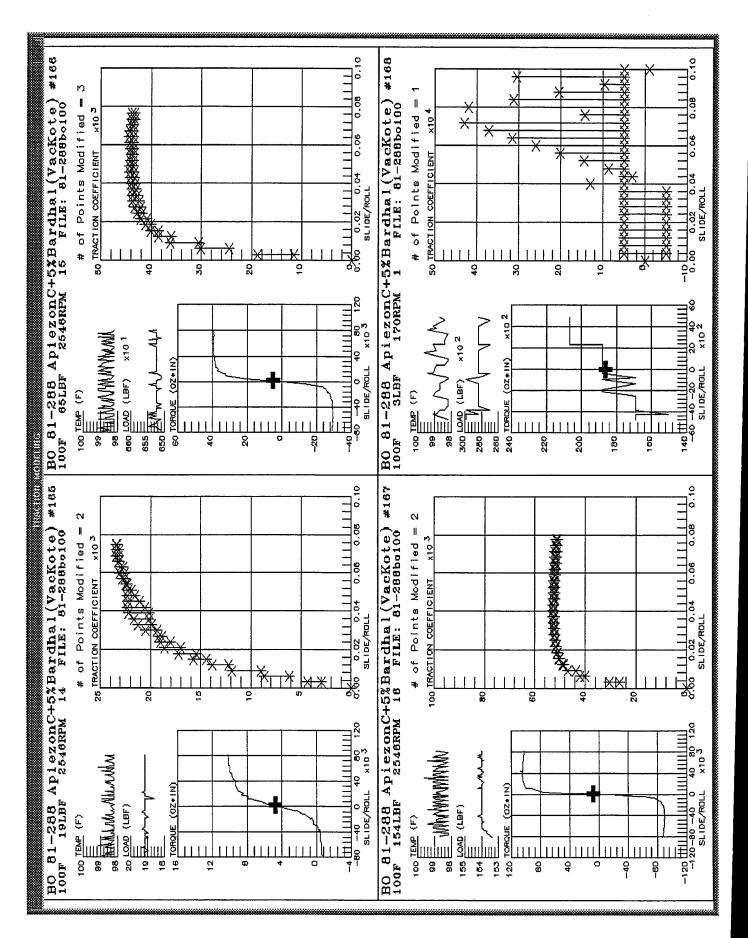


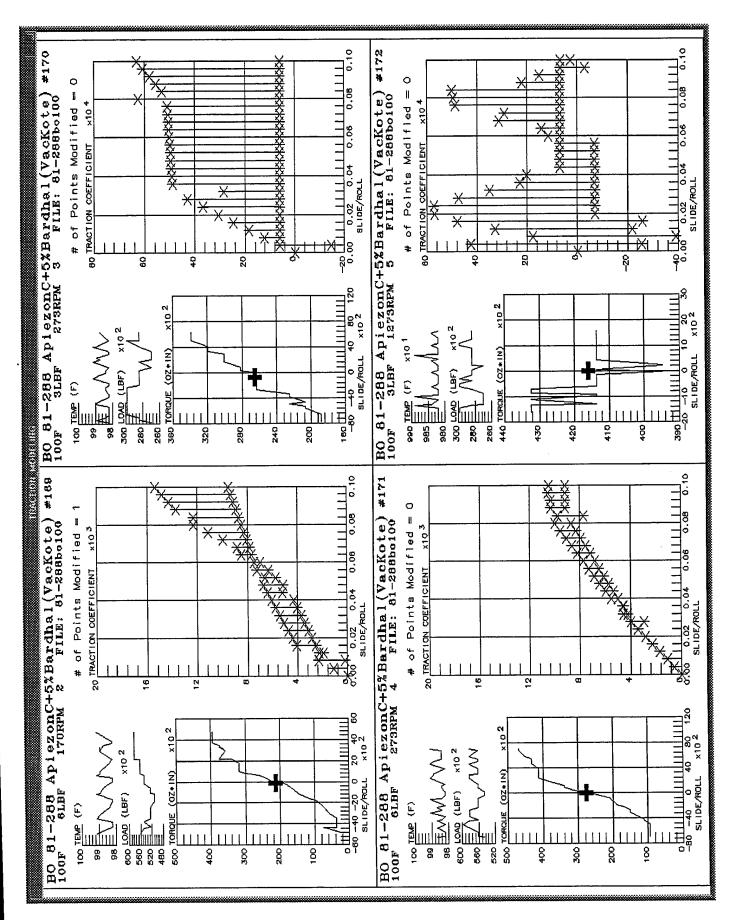


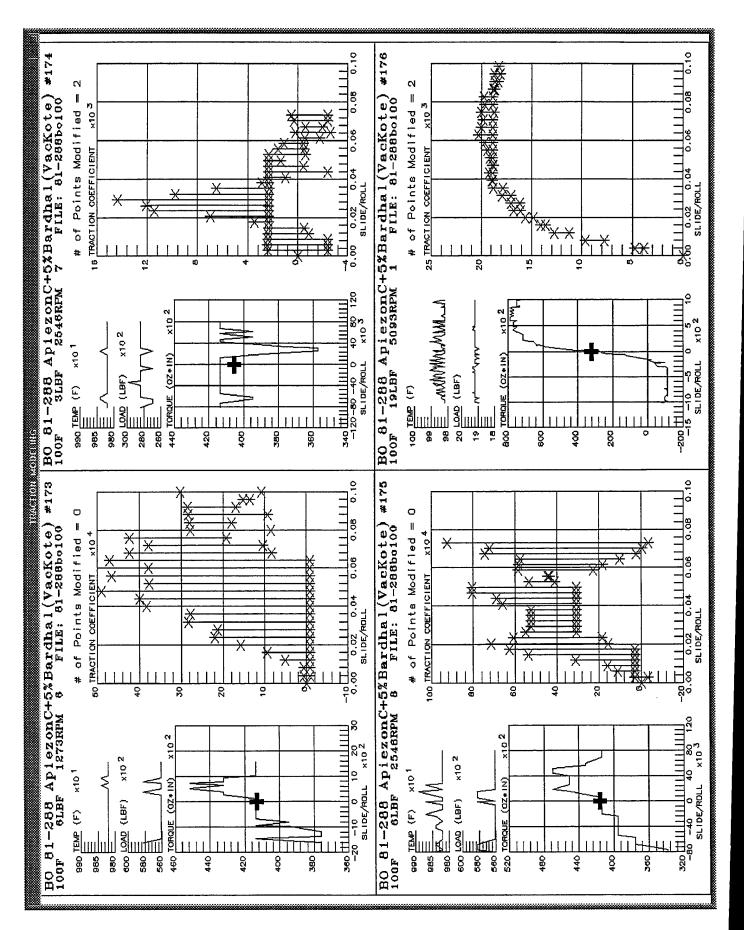


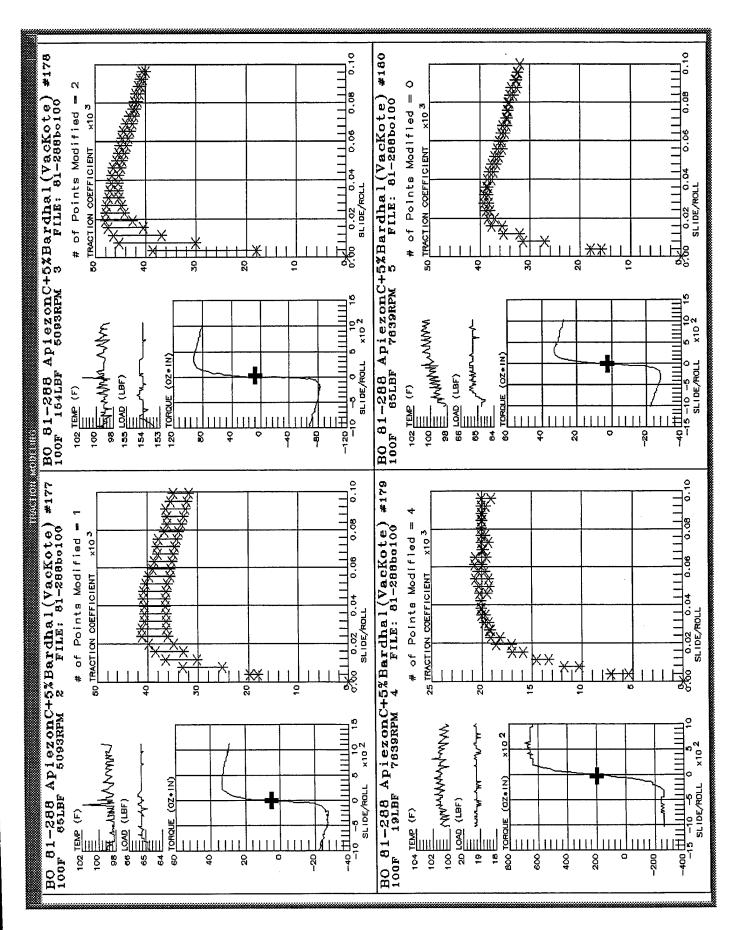


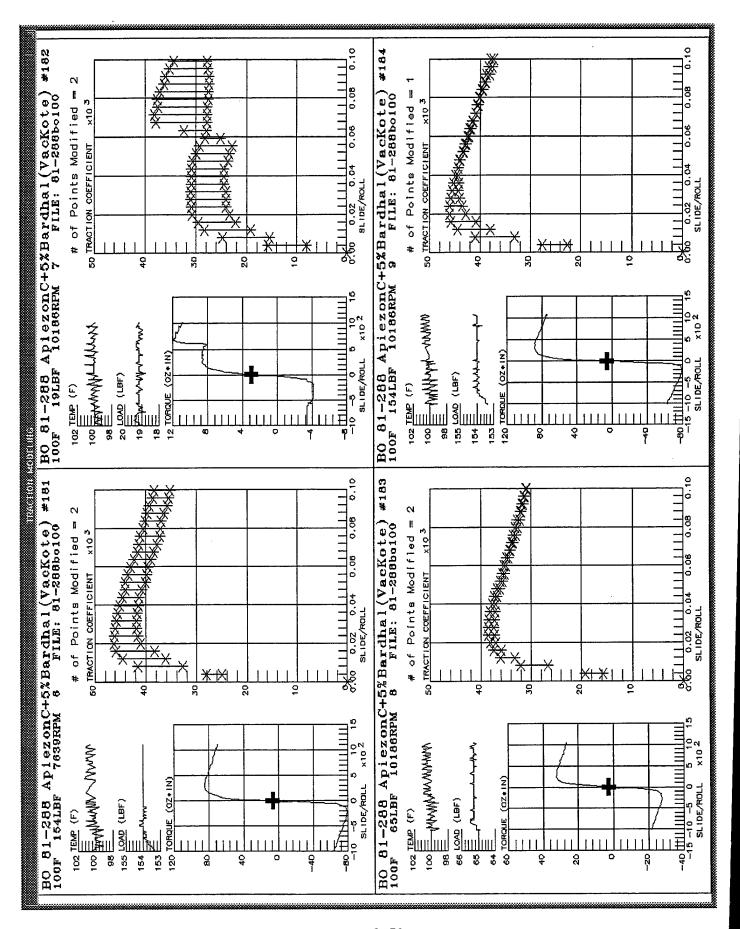


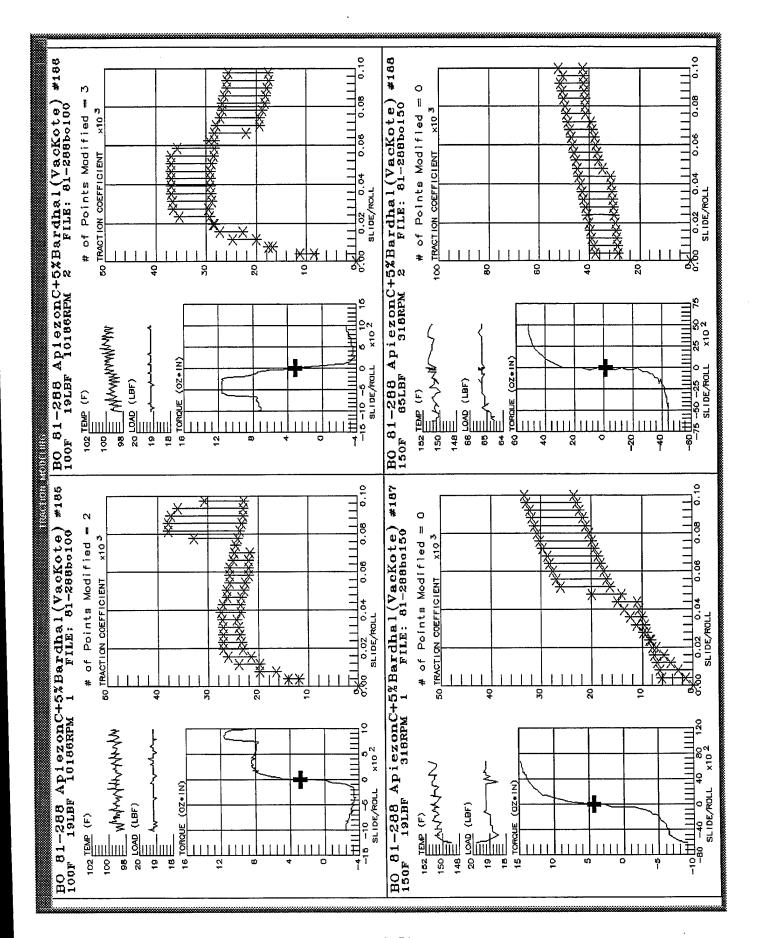


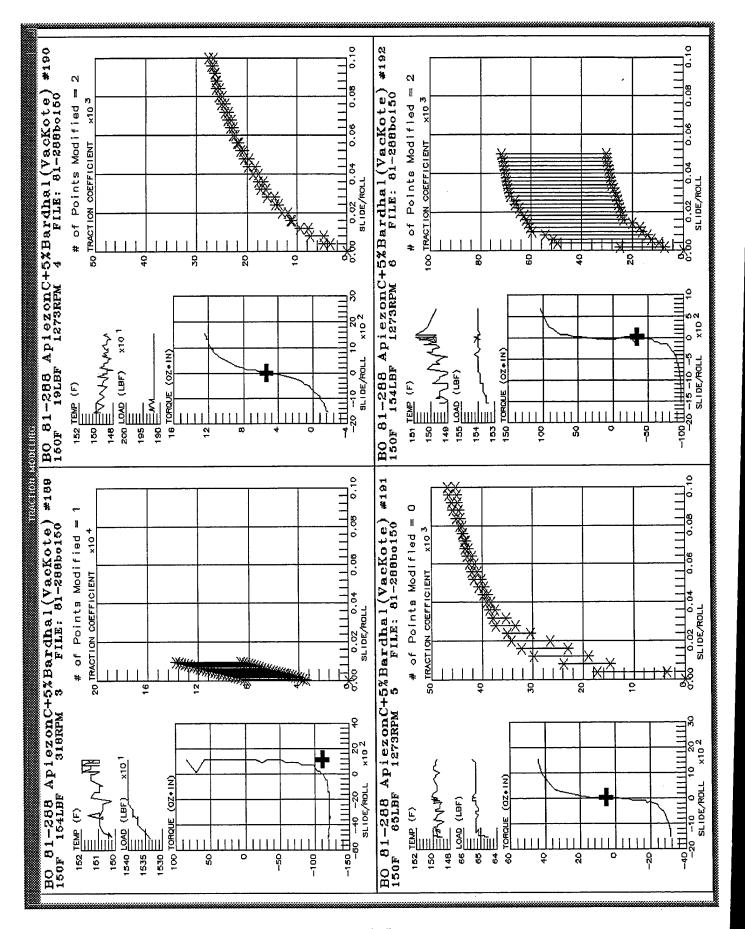


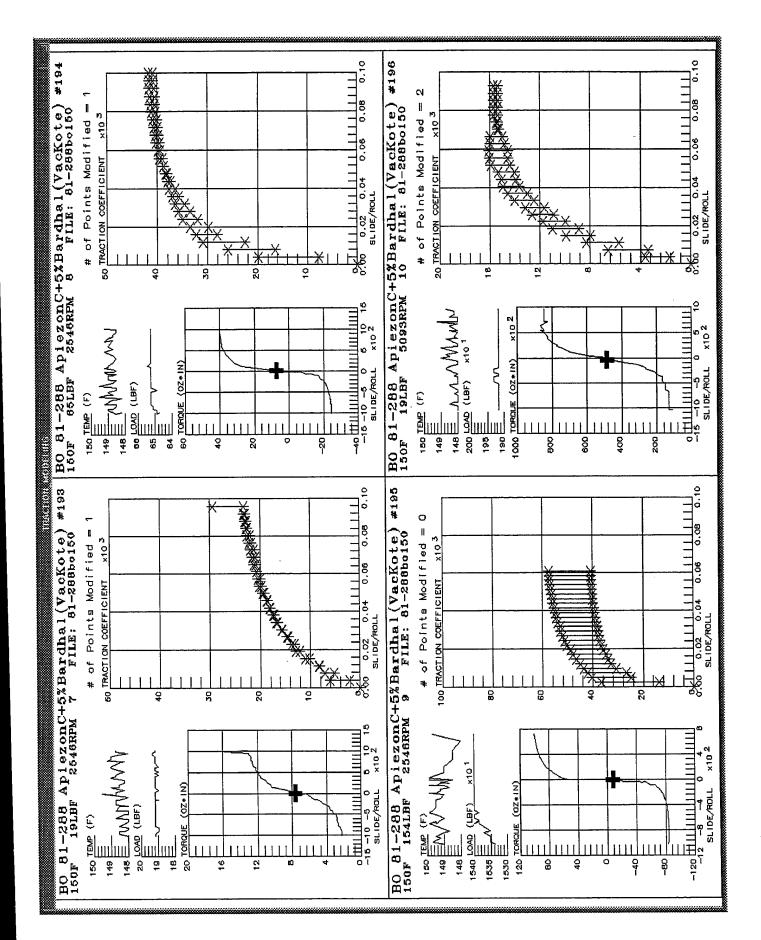


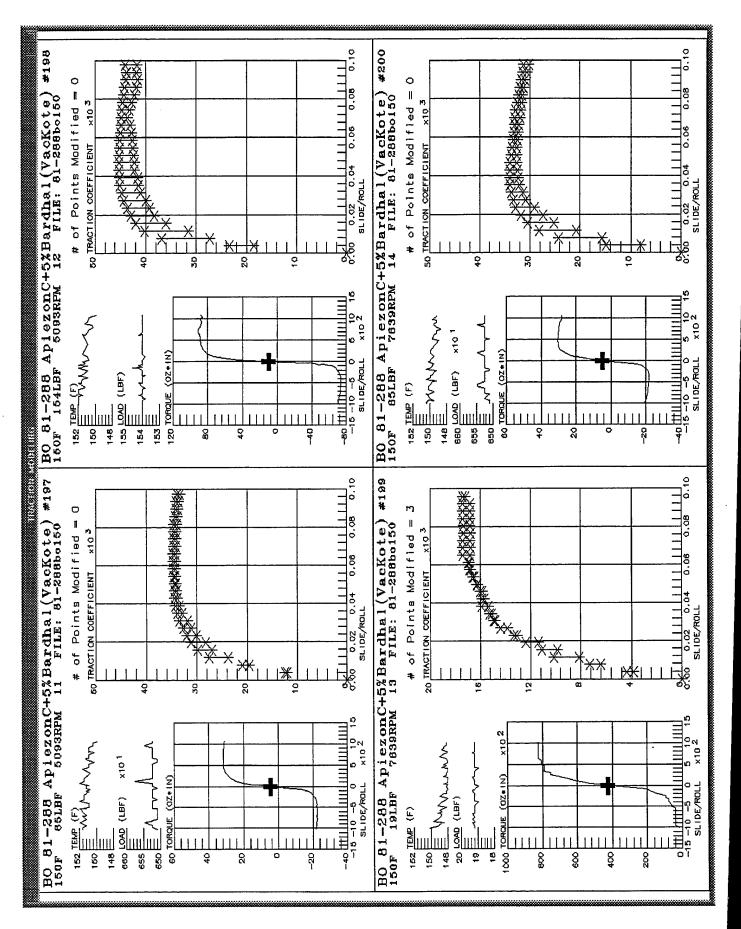


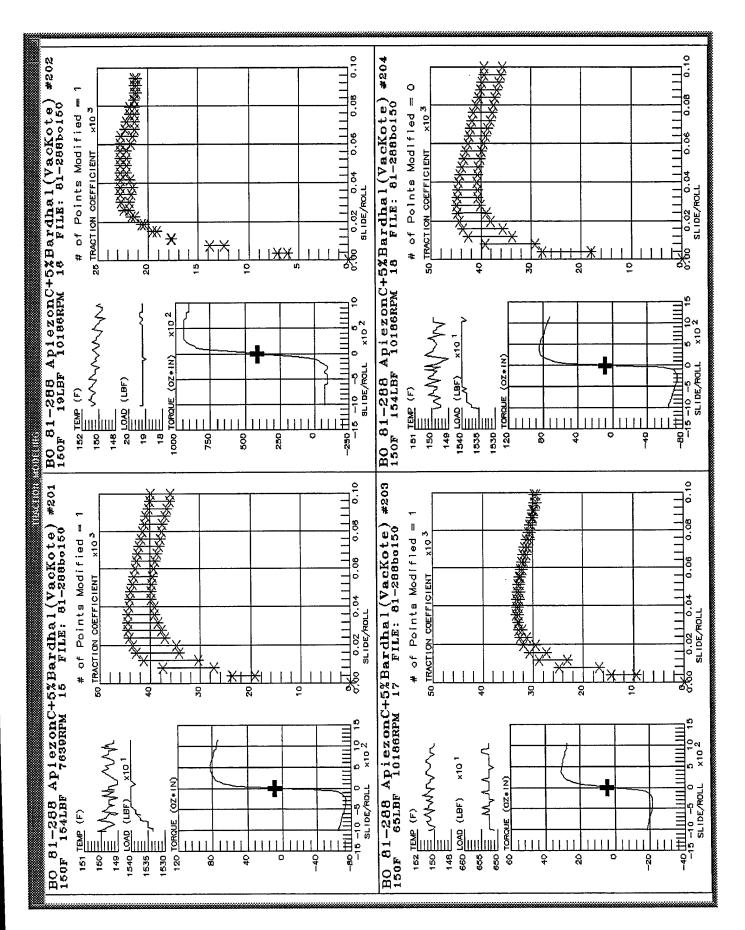


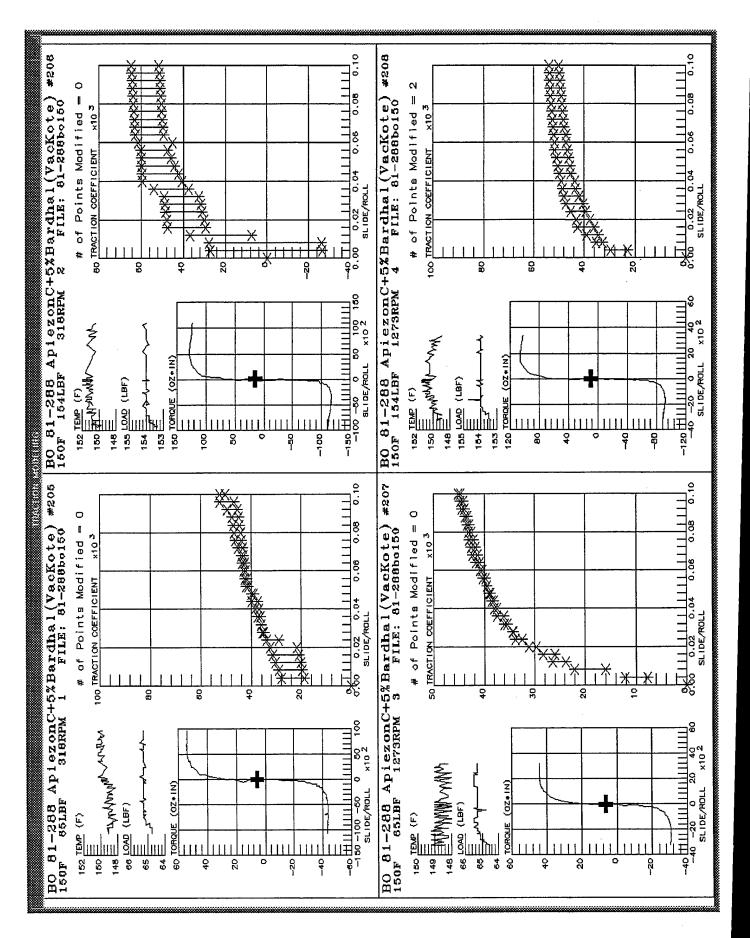


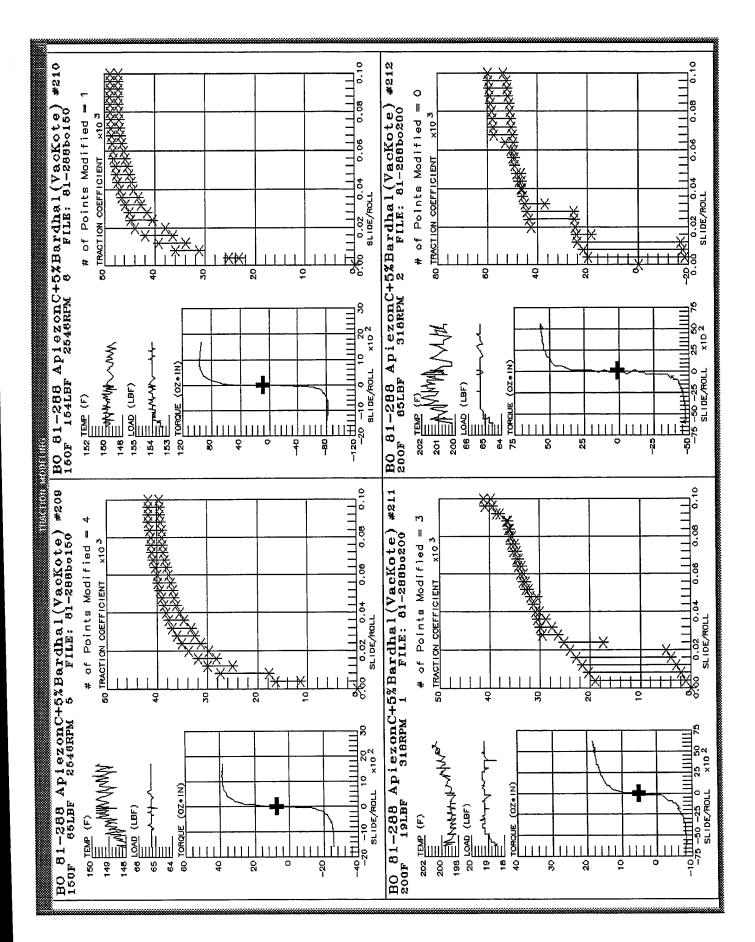


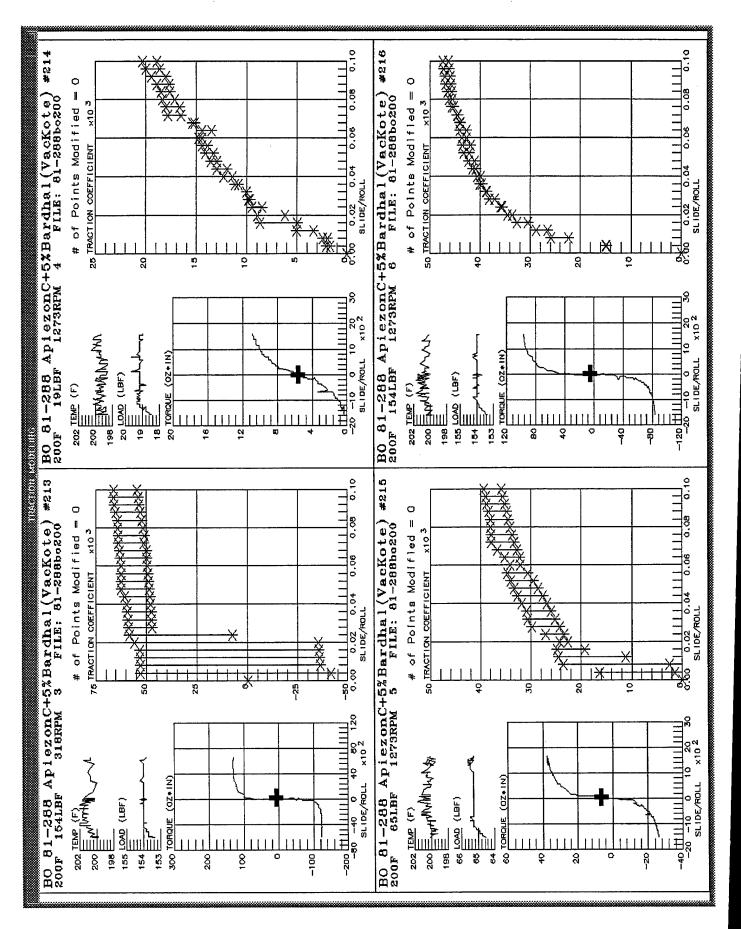


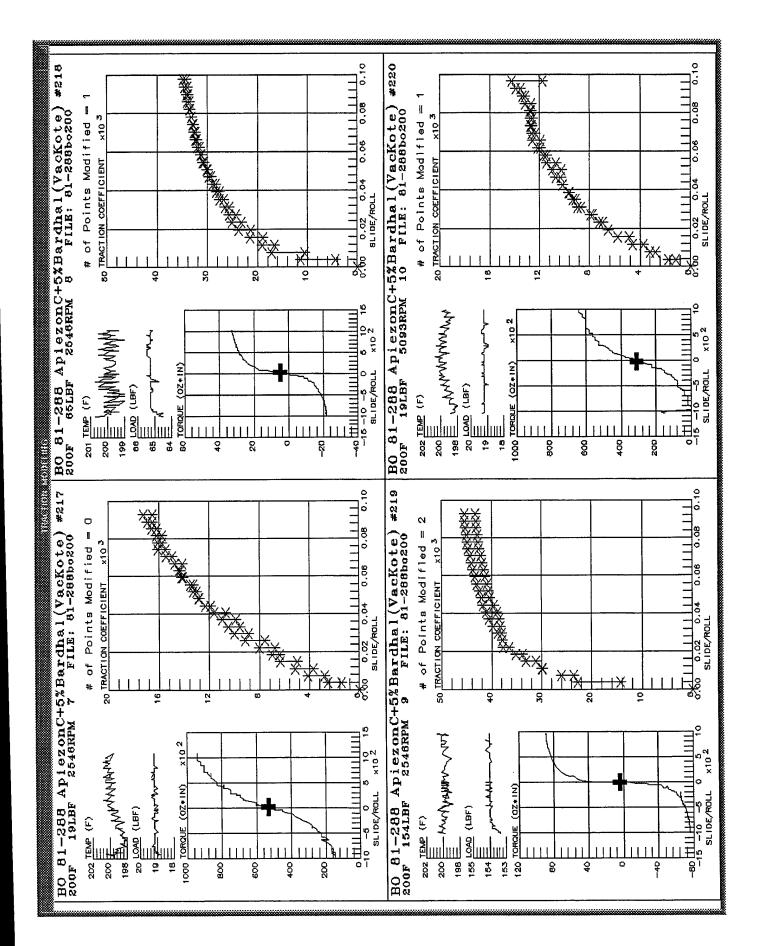


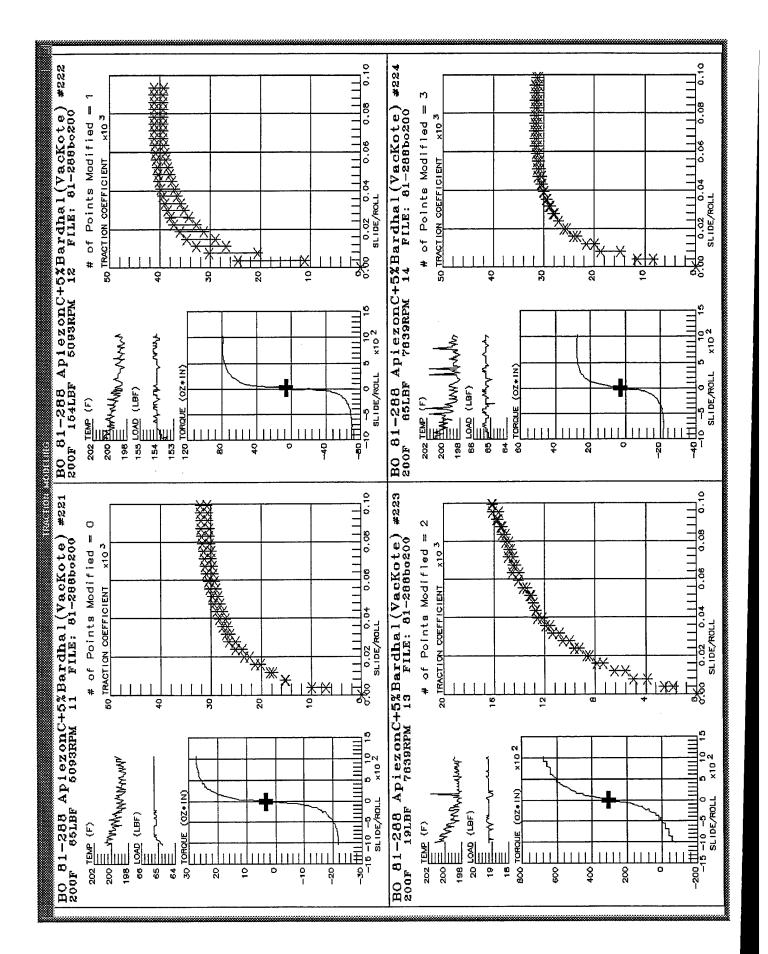


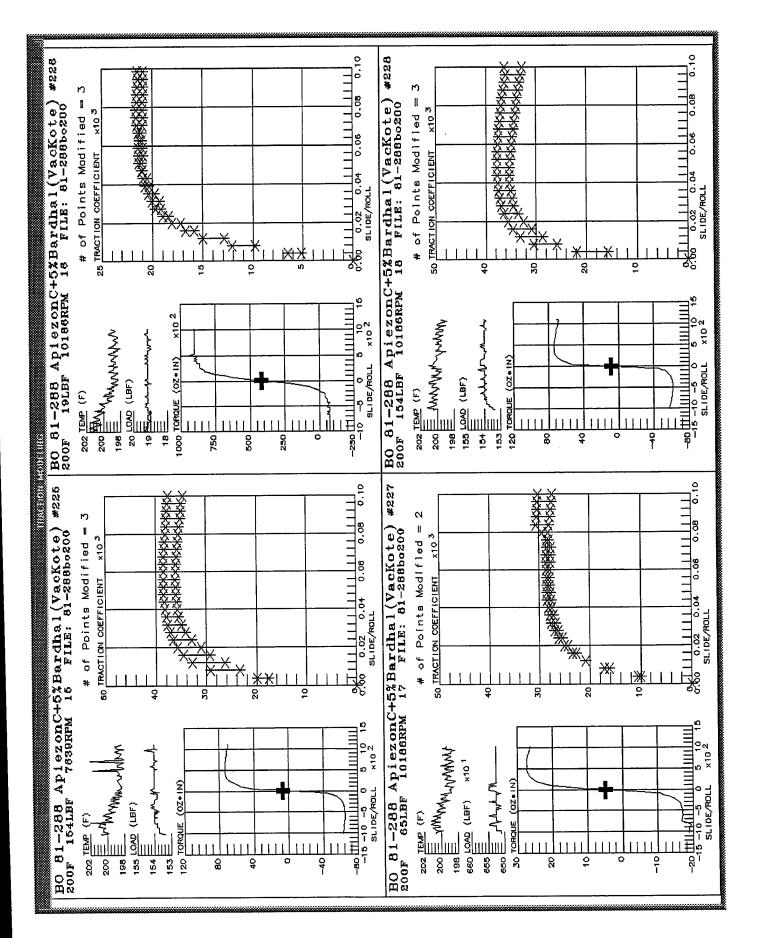


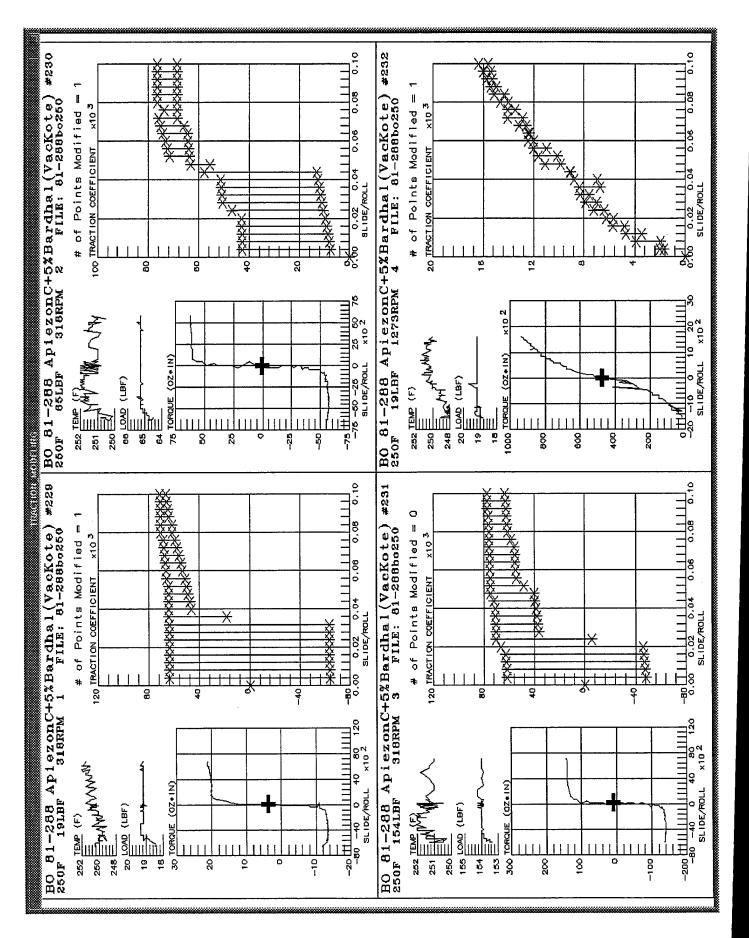


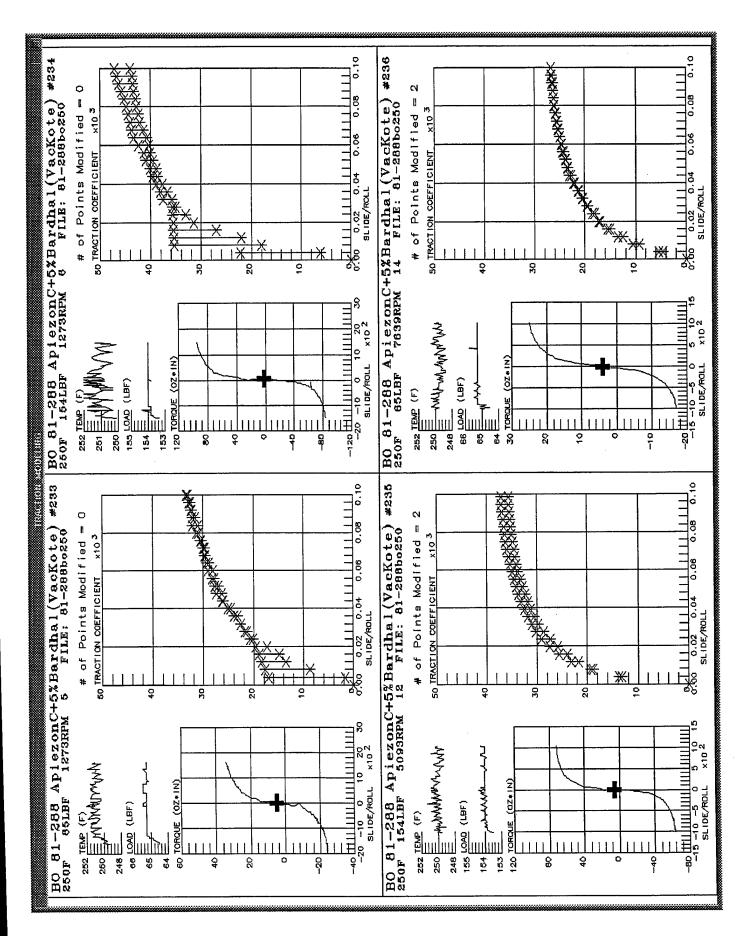


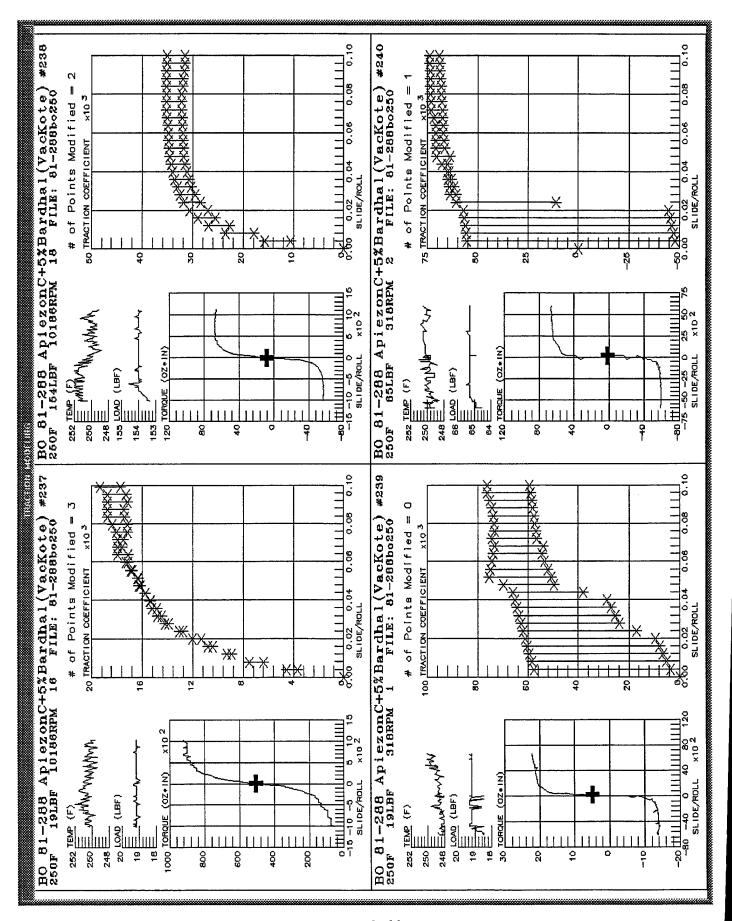


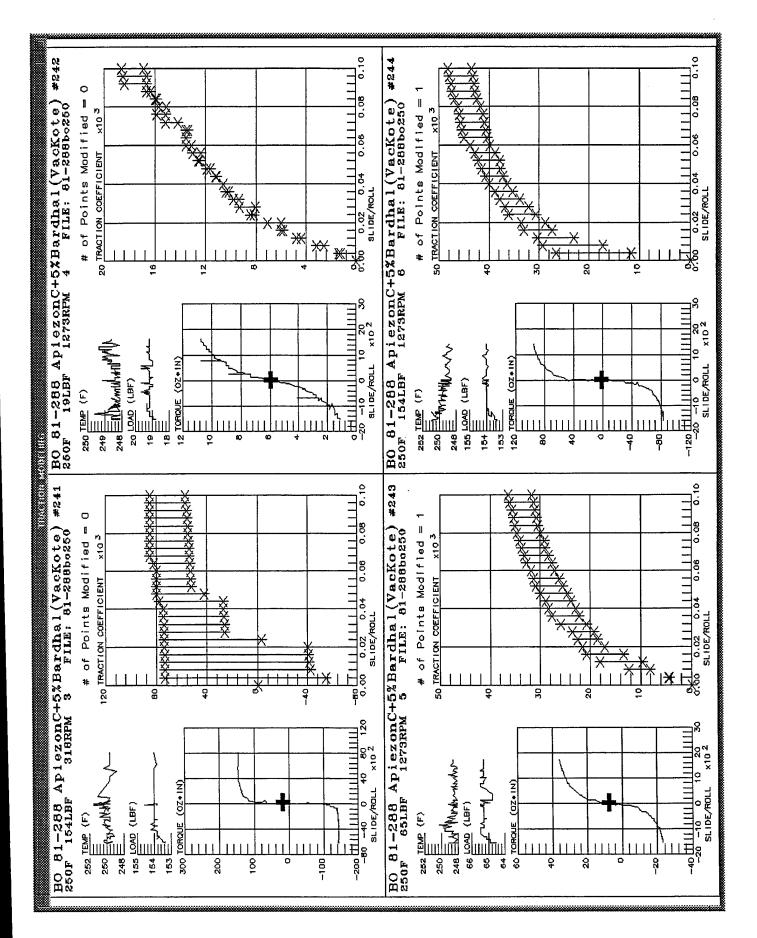


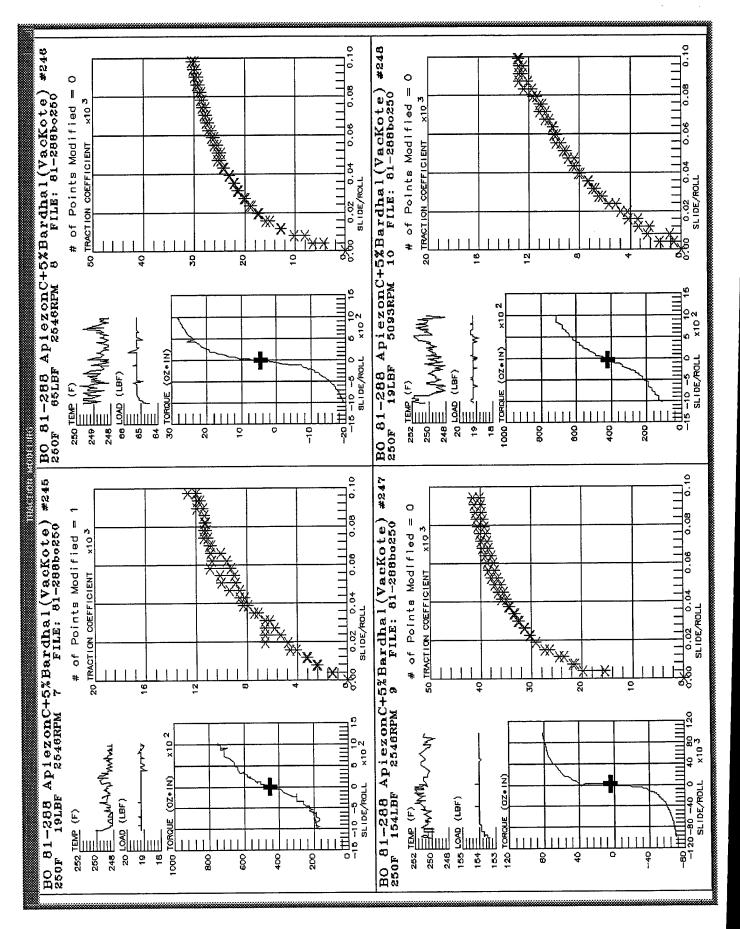


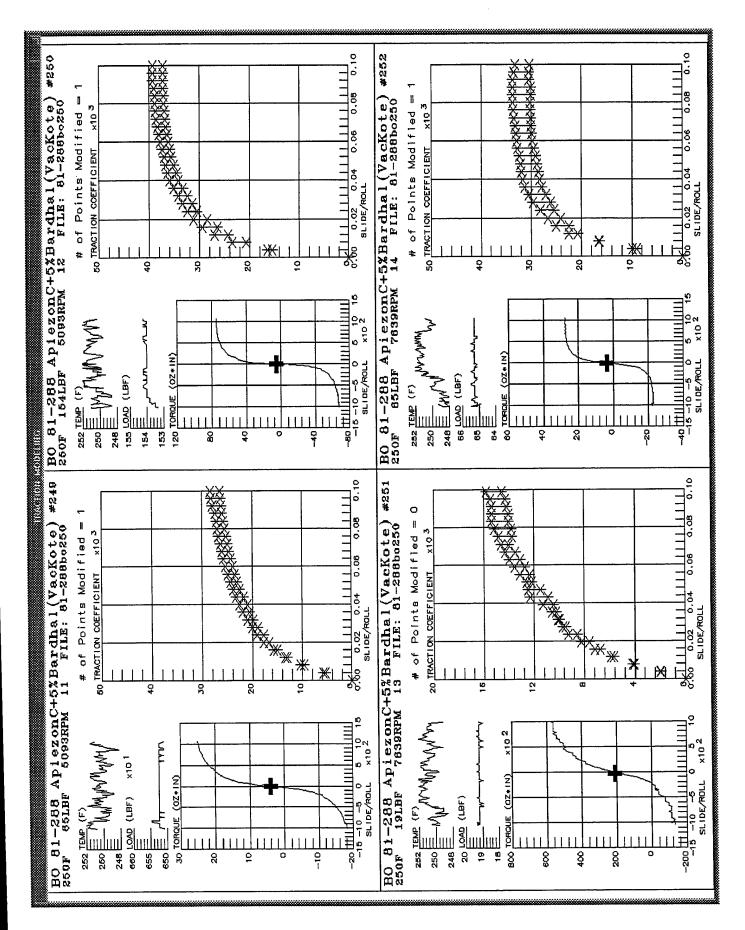


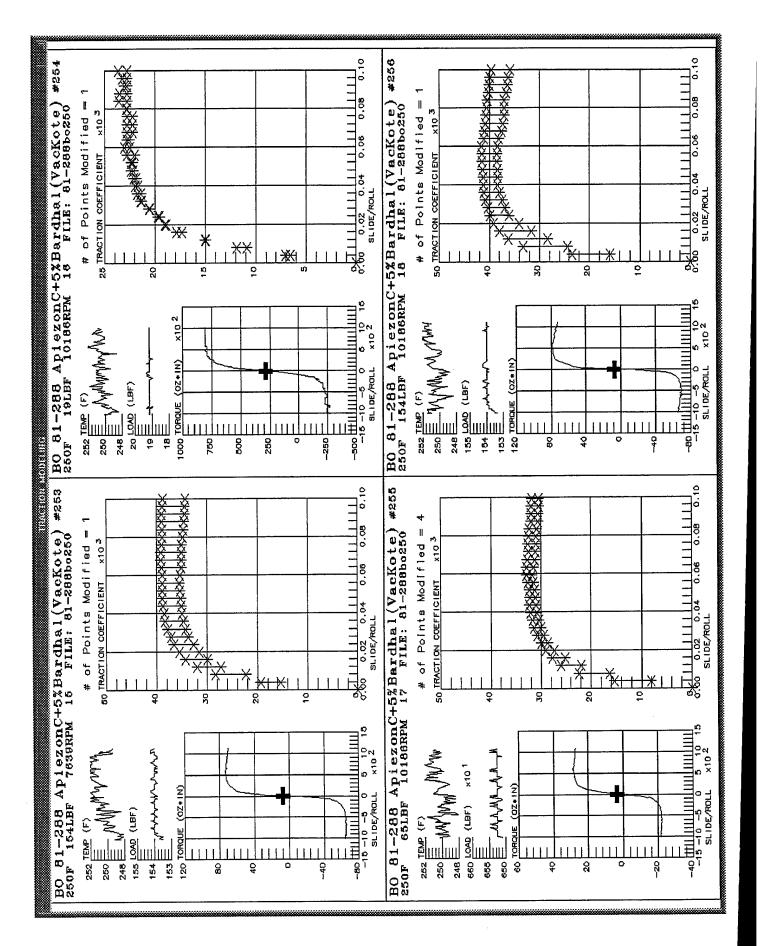


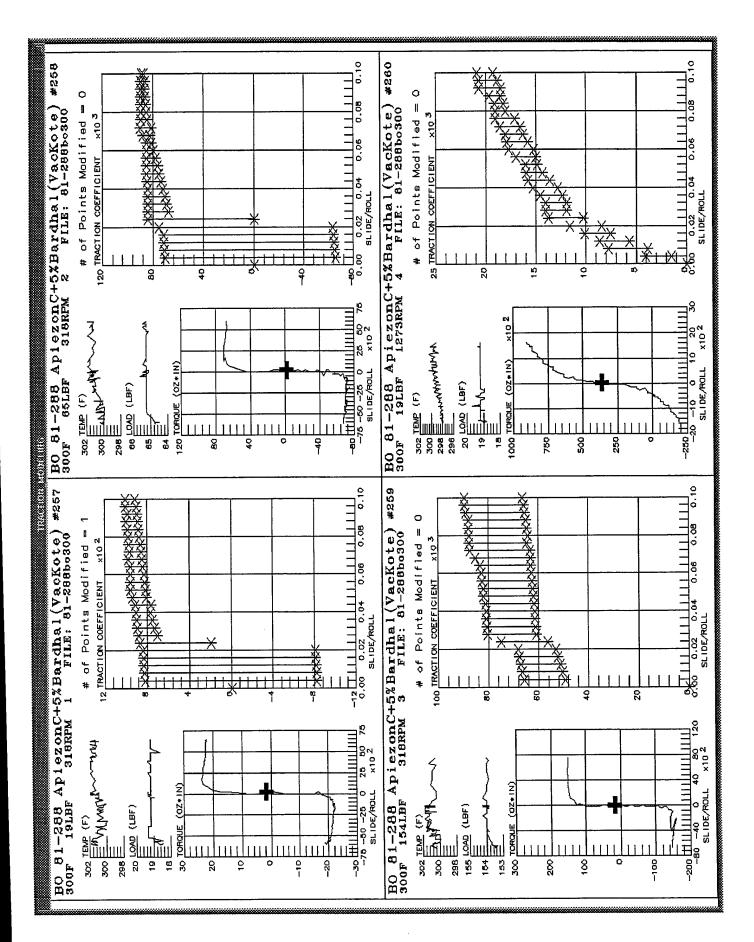


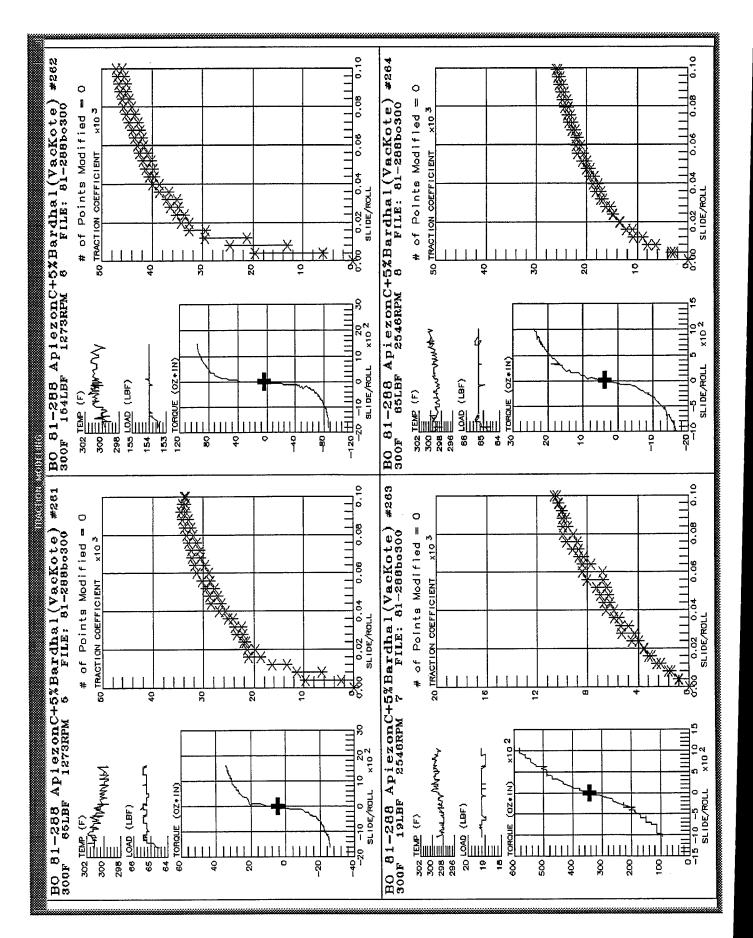


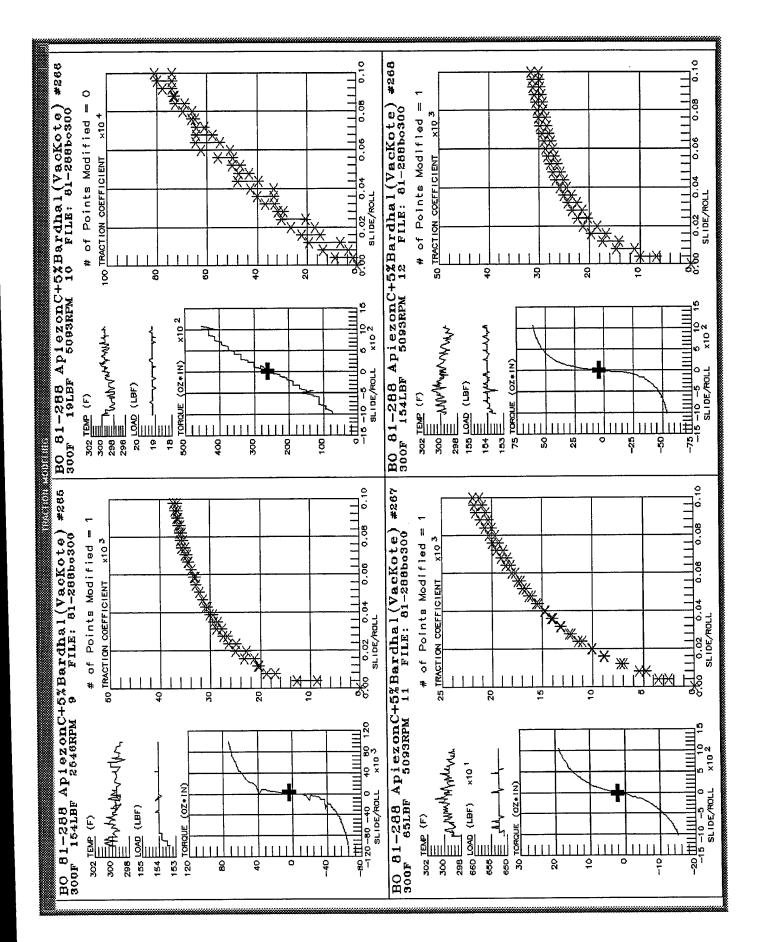


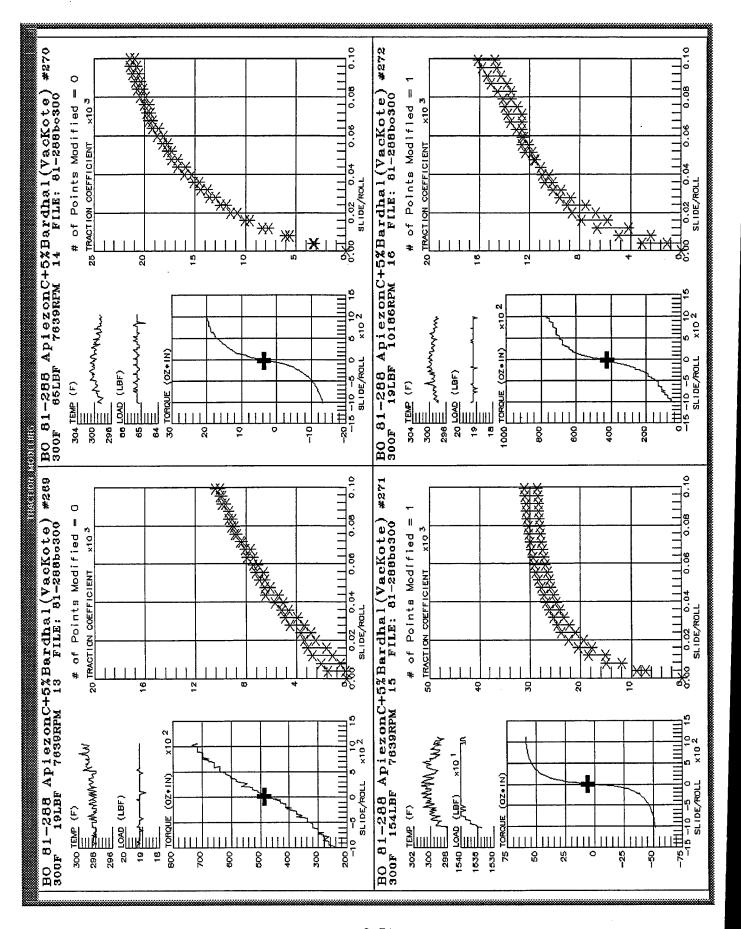


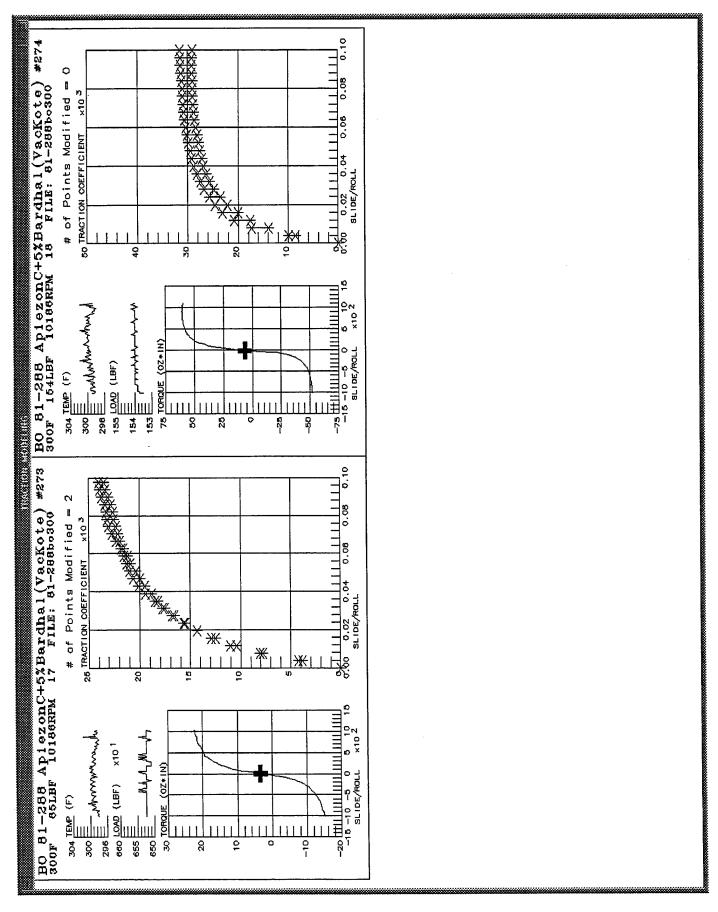






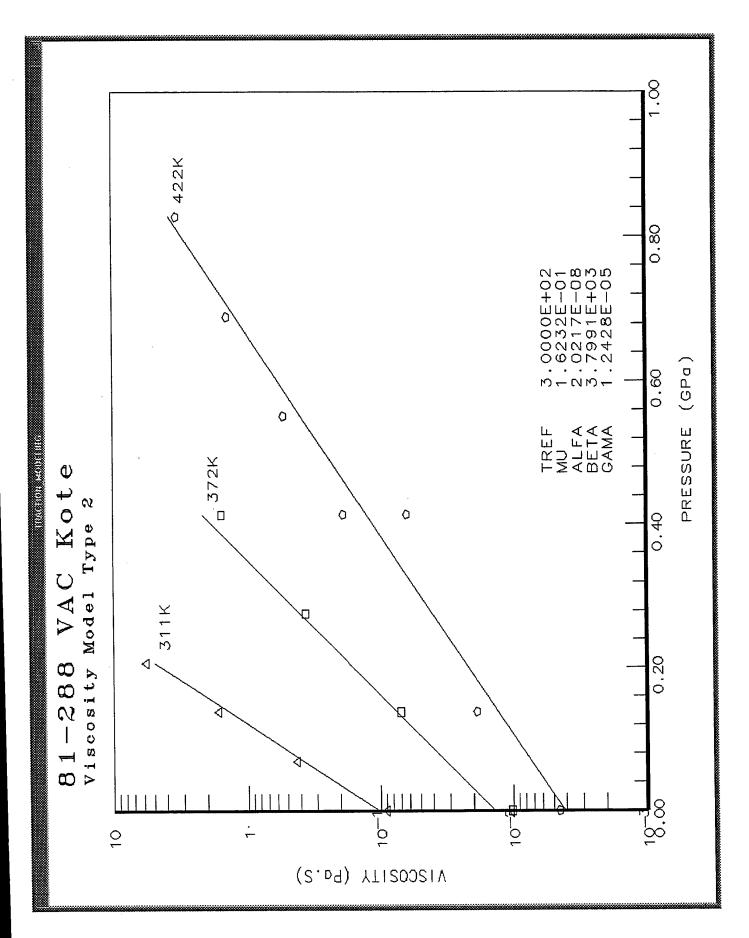


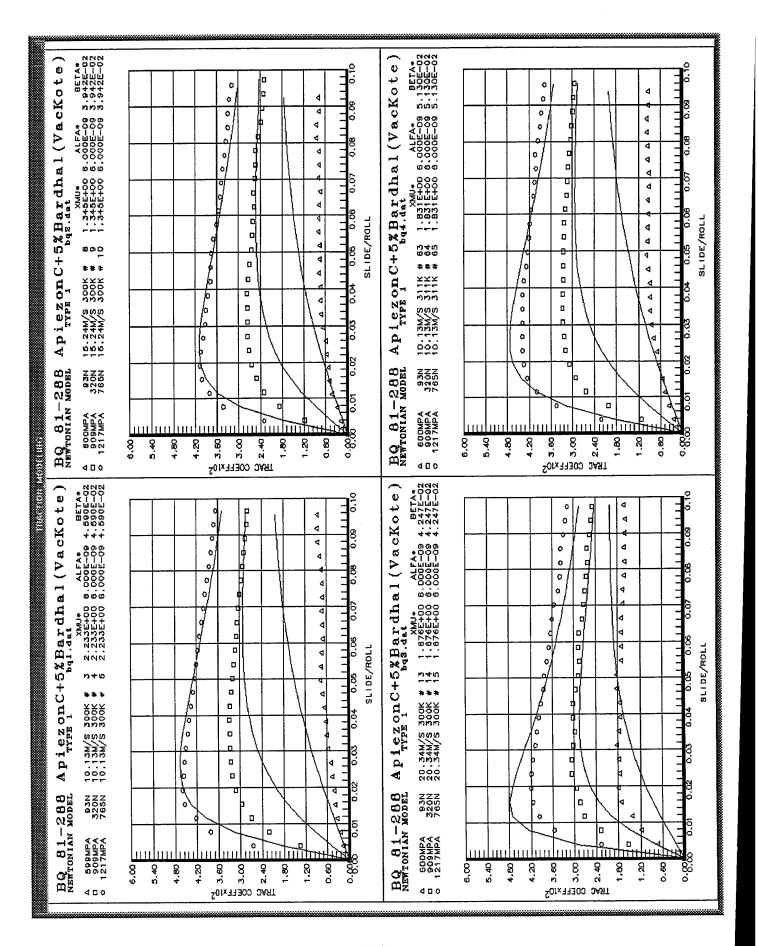


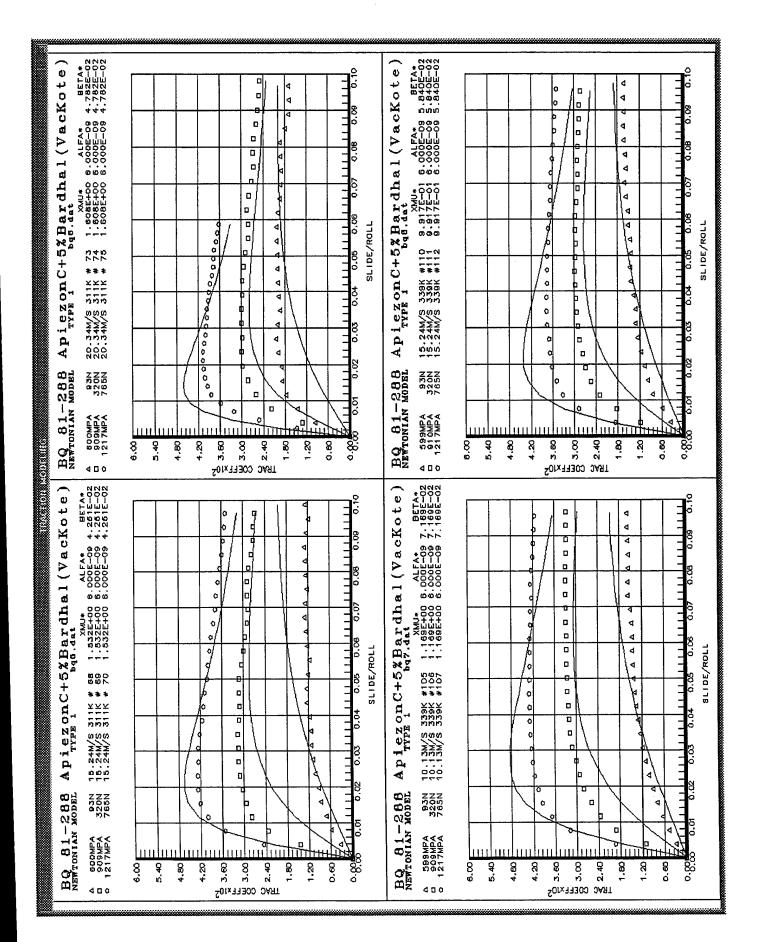


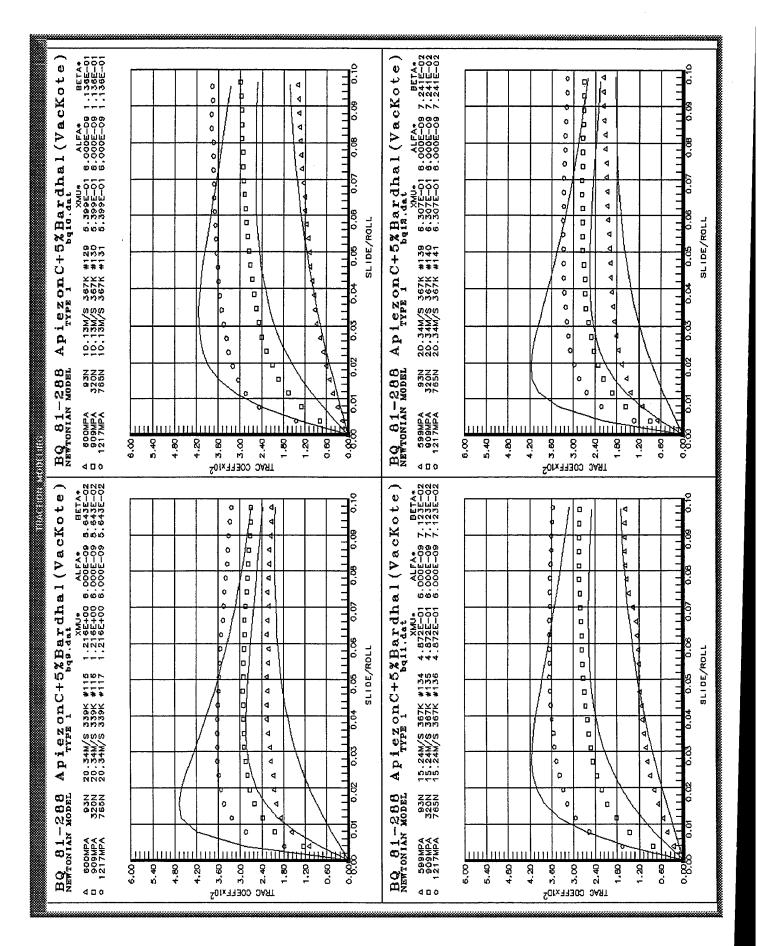
Lubricant name = BO 81-288 ApiezonC+5%Bardhal(VacKote)

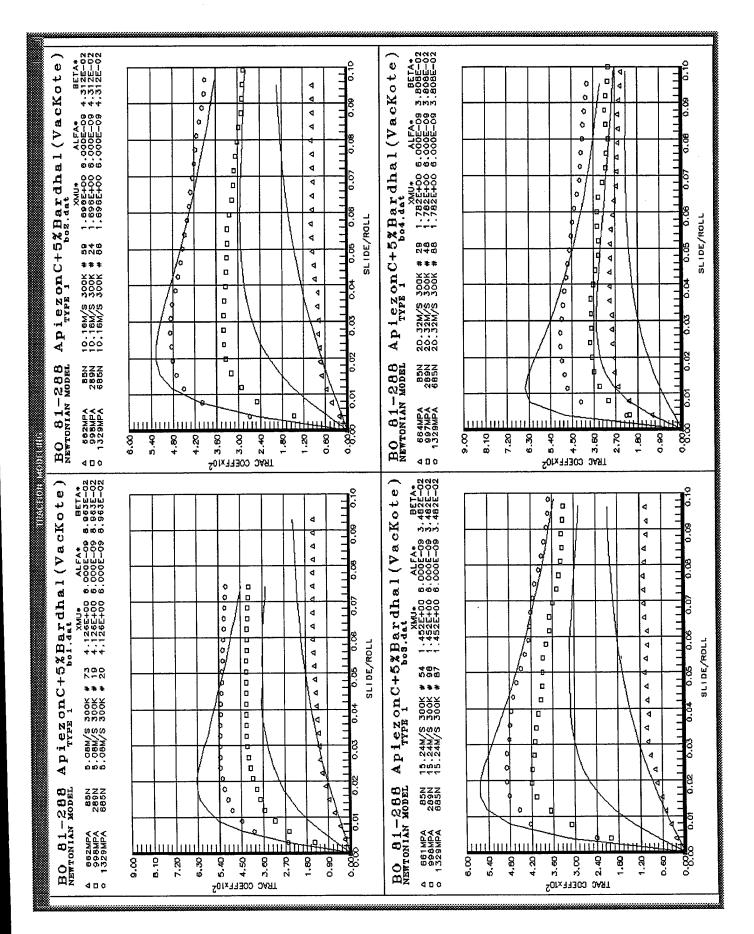
NEWTONIAN	MODEL 7	YPE 1			
Dataset Name	Inlet Temp		XMU*	ALFA*	BETA*
	(K)		(Pa.S)	(1/Pa)	(1/K)
bo1.dat	3.0000E+02		4.1257E+00	6.0000E-09	8.9632E-02
bo2.dat	3.0000E+02		1.6956E+00	6.0000E-09	4.3121E-02
bo3.dat	3.0000E+02		1.4524E+00	6.0000E-09	3.4818E-02
bo4.dat	3.0000E+02		1.7824E+00	6.0000E-09	3.8083E-02
bo5.dat	3.1111E+02		3.3478E+00	6.0000E-09	1.1317E-01
bo6.dat	3.1111E+02		2.0868E+00	6.0000E-09	5.1280E-02
bo7.dat	3.1111E+02		1.7896E+00	6.0000E-09	4.7212E-02
bo8.dat	3.1111E+02		1.3464E+00	6.0000E-09	3.6815E-02
bo9.dat	3.3889E+02		1.3261E+00	6.0000E-09	1.6552E-01
bo10.dat	3.3889E+02		8.7282E-01	6.0000E-09	6.7358E-02
bo11.dat	3.3889E+02		7.4268E-01	6.0000E-09	4.9028E-02
bo12.dat	3.3889E+02		8.2648E-01	6.0000E-09	4.3151E-02
bo13.dat	3.6667E+02	5.0790E+00	5.0837E-01	6.0000E-09	2.5989E-01
bo14.dat	3.6667E+02		3.6428E-01	6.0000E-09	9.8547E-02
bo15.dat	3.6667E+02		3.7224E-01	6.0000E-09	6.8380E-02
bo16.dat	3.6667E+02	2.0320E+01	4.5221E-01	6.0000E-09	6.1175E-02
bo17.dat	3.9444E+02	5.0790E+00	2.0582E-01	6.0000E-09	3.1561E-01
bo18.dat	3.9444E+02	1.0160E+01	1.8062E-01	6.0000E-09	1.5342E-01
bo19.dat	3.9444E+02		1.8979E-01	6.0000E-09	8.7490E-02
bo20.dat	3.9444E+02		3.4516E-01	6.0000E-09	9.4670E-02
bo21.dat	4.2222E+02	5.0790E+00	8.9828E-02	6.0000E-09	4.9566E-01
bo22.dat	4.2222E+02		6.3344E-02	6.0000E-09	1.9749E-01
bo23.dat	4.2222E+02		6.5332E-02	6.0000E-09	1.2363E-01
bo24.dat	4.2222E+02	2.0320E+01	8.9956E-02	6.0000E-09	1.0216E-01

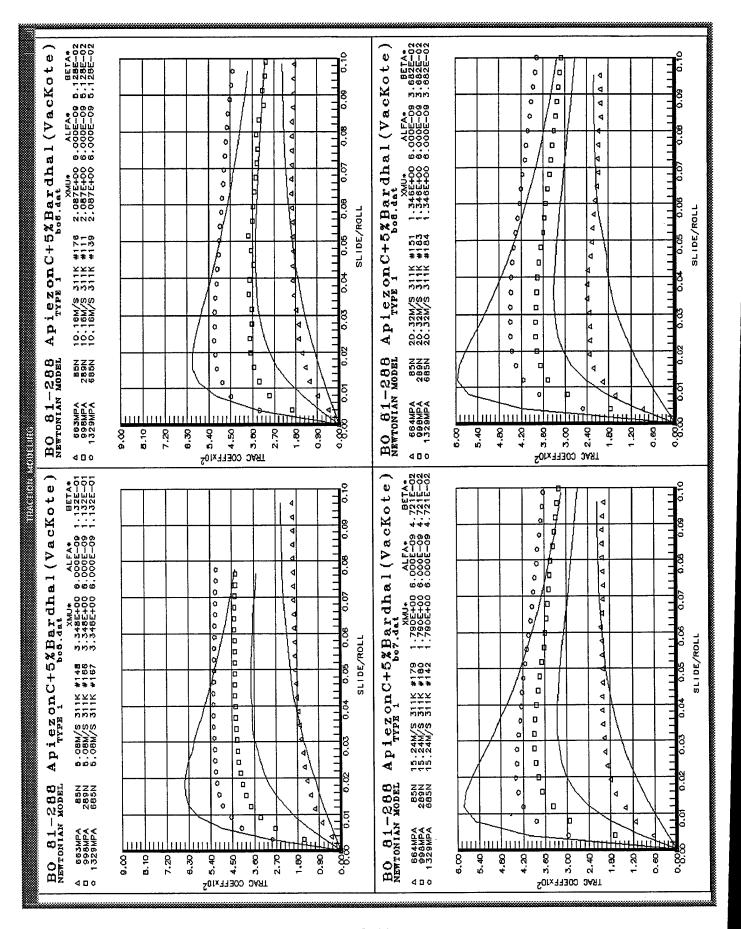


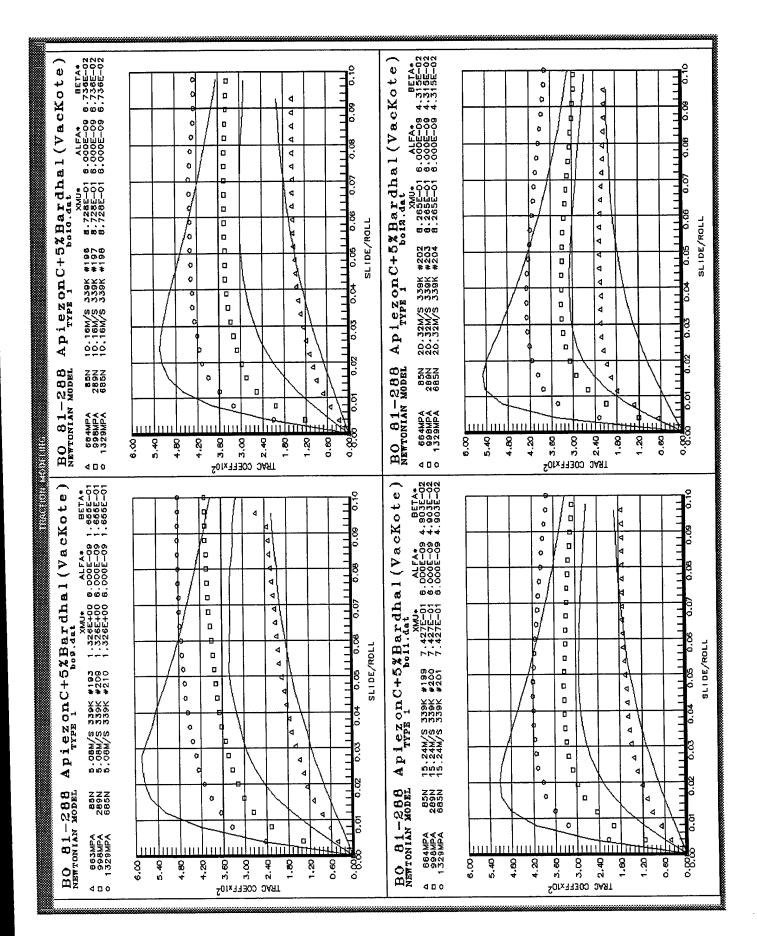


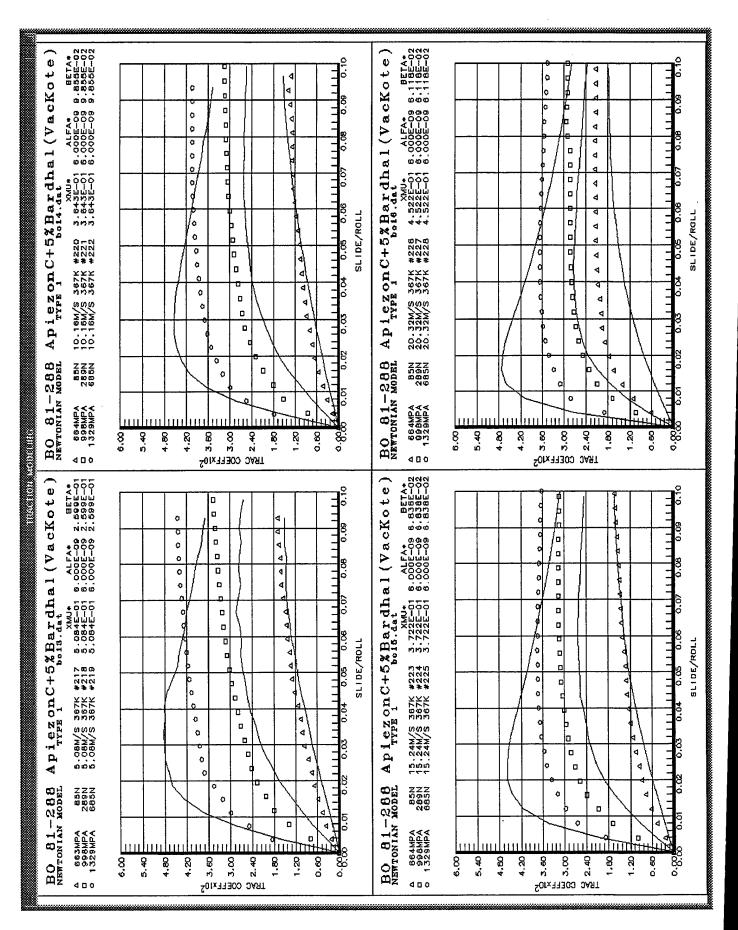


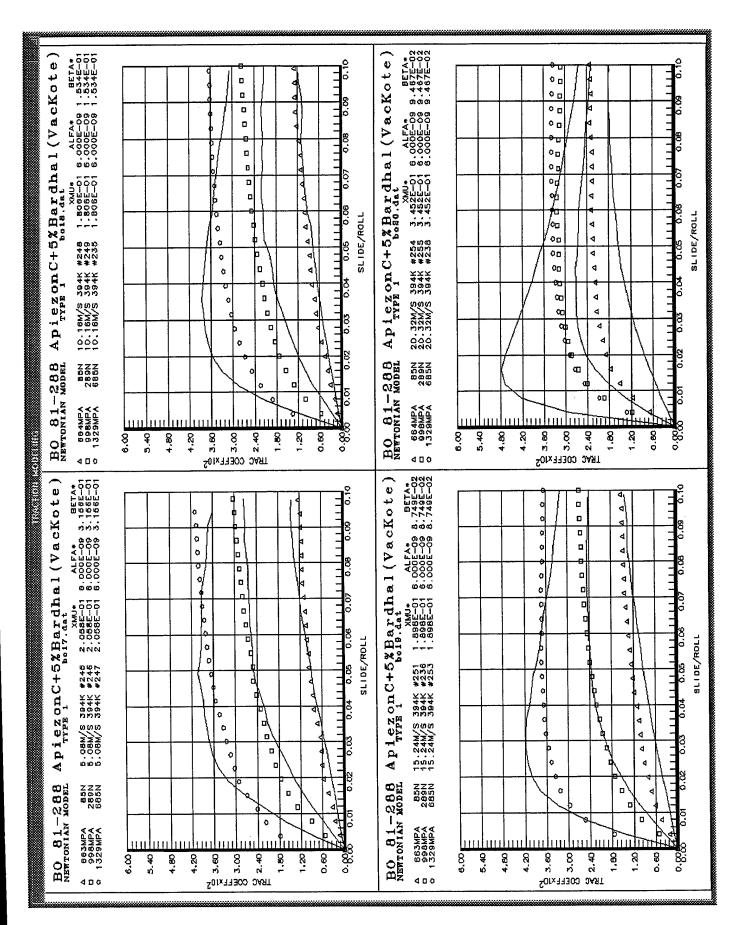


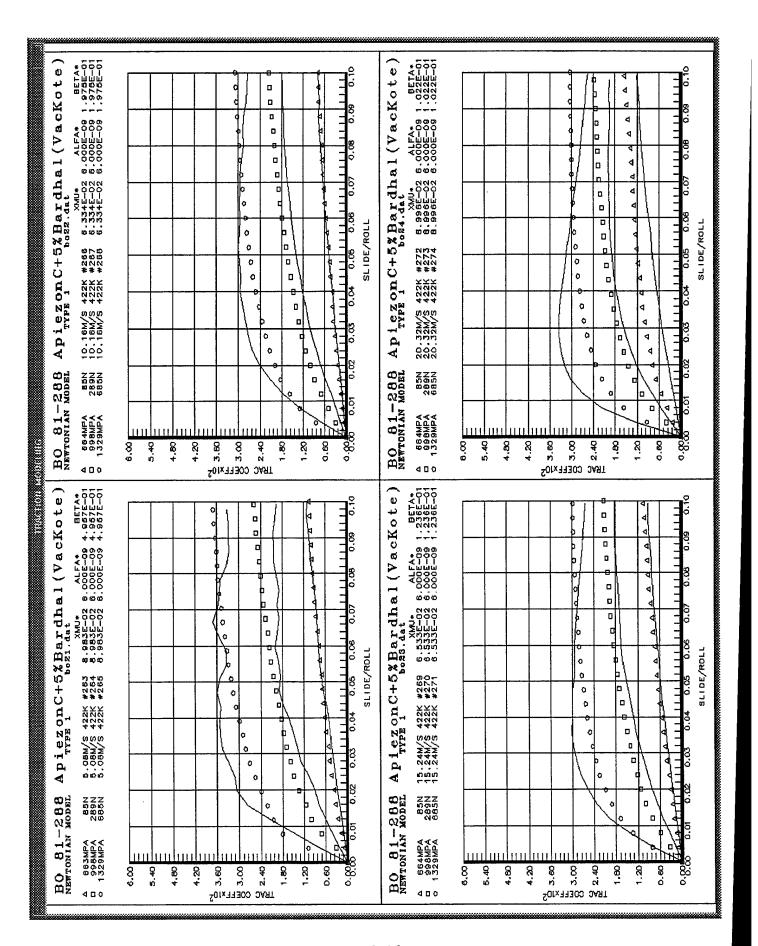












10. Traction Data Set I: 81-288 Apiezon C + 5% Bardhal (VacKote)/2

BQ 81-288 ApiezonC+5%Bardhal(VacKote) 0.75 0.75 Data set name:

Rolling radii [Disks 1 & 2] (in): Crown radii [Disks 1 & 2] (in): 0.75 15.00 13.00

Number of data sets found = 249

	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	0 Load1	alibra Load2	tion F Rpm1	actors Rpm2	Torq	SqDev	Dataset/Test #
				F770 00	5080.00	100	0.71	1.49	1.00	1.00	1.00	1.36E-04	bq80h2 #1
1	80.00	3.48	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	1.17E-04	bq80h2 #2
2	80.00	8.45	4830.00	5330.00		100	0.71	1.49	1.00	1.00	1.00	1.39E-05	bg80h2 #3
3	80.00	20.52	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	2.42E-05	bq80h2 #4
4	80.00	71.64	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	4.11E-05	bq80h2 #5
5	80.00	171.75	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	9.33E-04	bq80h2 #6
6	80.00	3.48	7259.00	8019.00	7639.00 7639.00	100	0.71	1.49	1.00	1.00	1.00	1.95E-04	bg80h2 #7
7	80.00	8.45	7259.00	8019.00		100	0.71	1.49	1.00	1.00	1.00	4.74E-05	bq80h2 #8
8	80.00	20.52	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	1.03E-05	bq80h2 #9
9	80.00	71.64	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	5.77E-05	bq80h2 #10
10	80.00	171.75	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	2.39E-04	bq80h2 #11
11	80.00	3.48	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.64E-04	bq80h2 #12
12	80.00	8.45	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	7.66E-05	bq80h2 #13
13	80.00	20.52	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	2.93E-05	bq80h2 #14
14	80.00	71.64	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.03E-05	bg80h2 #15
15	80.00	171.75	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	3.43E-03	bq80l2 #1
16	80.00	3.48	72.00	80.00	76.00	100	0.71	1.49	1.00	1.00	1.00	9.75E-04	bq80l2 #2
17	80.00	8.45	72.00	80.00	76.00	100	0.71	1.49	1.00	1.00	1.00	3.70E-03	bq80l2 #3
18	80.00	20.52	72.00	80.00	76.00	100	0.71	1.49	1.00	1.00	1.00	2.35E-02	bq8012 #4
19	80.00	71.64	72.00	80.00	76.00	100	0.71	1.49	1.00	1.00	1.00	2.31E-03	bq8012 #5
20	80.00	171.75	72.00	80.00	76.00 152.00	100	0.71	1.49	1.00	1.00	1.00	5.79E-04	bq8012 #6
21	80.00	3.48	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	1.55E-03	bg8012 #7
22	80.00	8.45	144.00	160.00		100	0.71	1.49	1.00	1.00	1.00	3.48E-04	bq8012 #8
23	80.00	20.52	144.00	160.00	152.00 152.00	100	0.71	1.49	1.00	1.00	1.00	4.37E-03	bq8012 #9
24	80.00	71.64	144.00	160.00		100	0.71	1.49	1.00	1.00	1.00	1.29E-02	bq8012 #10
25	80.00	171.75	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	4.01E-04	bq8012 #11
26	80.00	3.48	326.00	360.00	343.00	100	0.71	1.49	1.00	1.00	1.00	8.39E-04	bq8012 #12
27	80.00	8.45	326.00	360.00	343.00 343.00	100	0.71	1.49	1.00	1.00	1.00	1.77E-04	bq8012 #13
28	80.00	20.52	326.00	360.00		100	0.71	1.49	1.00	1.00	1.00	1.00E-03	bg80l2 #14
29	80.00	71.64	326.00	360.00	343.00 343.00	100	0.71	1.49	1.00	1.00	1.00	1.01E-04	bq80l2 #15
30	80.00	171.75	326.00	360.00		100	0.71	1.49	1.00	1.00	1.00	1.69E-04	bq8012 #16
31	80.00	3.48	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	2.35E-05	bq8012 #17
32	80.00	8.45	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	1.27E-04	bq80l2 #18
33	80.00	20.52	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	4.96E-05	bq8012 #19
34	80.00	71.64	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	2.25E-04	bq8012 #20
35	80.00	171.75	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	8.67E-05	bq80l2 #21
36	80.00	3.48	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	4.23E-05	bq8012 #22
37	80.00	8.45	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	7.98E-06	bq8012 #23
38	80.00	20.52	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	3.35E-05	bq80l2 #24
39	80.00	71.64	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	1.86E-05	bg8012 #25
40	80.00	171.75	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	3.44E-04	bq8012 #26
41	80.00	3.48	2431.00	2687.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	1.22E-04	bg80l2 #27
42	80.00	8.45	2431.00	2687.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	7.78E-06	bq8012 #28
43	80.00	20.52	2431.00	2687.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	1.24E-05	bg8012 #29
44	80.00	71.64	2431.00	2687.00	2559.00		0.71	1.49	1.00	1.00	1.00	8.26E-06	bq80l2 #30
45	80.00	171.75	2431.00	2687.00	2559.00	100 200	0.71	1.49	1.00	1.00	1.00	2.63E-03	bq80l2x #1
46	80.00	71.64	72.00	80.00	76.00	200	0.71	1.49	1.00	1.00	1.00	4.40E-02	bq80l2x #2
47	80.00	171.75	72.00	80.00	76.00 152.00	200	0.71	1.49	1.00	1.00	1.00	3.55E-04	bq80l2x #3
48	80.00	71.64	144.00	160.00	152.00	200	0.71	1.49	1.00	1.00	1.00	4.84E-03	bq8012x #4
49	80.00	171.75	144.00	160.00	343.00	200	0.71		1.00	1.00	1.00	3.08E-03	bq80l2x #5
50	80.00	71.64	326.00	360.00	J4J.00	200	J., 1						

Section Sect		Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts		alibra Load2		actors Rpm2		SqDev	Dataset/Test #
53 80.00 8 4.55 72.00 80.00 76.00 200 0.71 1.49 1.00 1.00 1.00 1.00 2.35E-03 bg801x #2 55 80.00 3.48 144.00 160.00 152.00 200 0.71 1.49 1.00 1.00 1.00 1.16E-03 bg801x #4 56 80.00 3.48 226.00 360.00 343.00 200 0.71 1.49 1.00 1.00 1.00 1.67E-03 bg801x #4 58 80.00 20.52 144.00 160.00 152.00 200 0.71 1.49 1.00 1.00 1.00 1.67E-03 bg801x #6 58 80.00 3.48 326.00 360.00 343.00 200 0.71 1.49 1.00 1.00 1.00 1.67E-03 bg801x #6 60 80.00 2.52 326.00 360.00 343.00 200 0.71 1.49 1.00 1.00 1.00 1.00 1.67E-03 bg801x #6 61 100.00 3.48 4830.00 5330.00 5080.00 100 0.71 1.49 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0														
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58 80,00 3.48 326,00 360,00 343,00 200 0.71 1.49 1.00 1.00 4.61E-03 bc801x #7 60 80.00 20.52 326,00 360,00 343,00 200 0.71 1.49 1.00 </td <td></td> <td>1.62E-03 1.67E-03</td> <td></td>													1.62E-03 1.67E-03	
59 80.00 8.45 326.00 360.00 343.00 200 0.71 1.49 1.00 1.00 1.00 1.00 1.00 5.080 5.480 5.4830.00 5330.00 5080.00 100 0.71 1.49 1.00														
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81 100.00 3.48 144.00 160.00 152.00 100 0.71 1.49 1.00 1.00 1.00 1.53E-04 bq10012 #6 82 100.00 8.45 144.00 160.00 152.00 100 0.71 1.49 1.00 1.00 1.00 3.55E-04 bq10012 #7 83 100.00 20.52 144.00 160.00 152.00 100 0.71 1.49 1.00 1.00 1.00 5.87E-04 bq10012 #8 84 100.00 71.64 144.00 160.00 152.00 100 0.71 1.49 1.00 1.00 1.00 4.57E-03 bq10012 #9 85 100.00 171.75 144.00 160.00 152.00 100 0.71 1.49 1.00 1.00 1.00 1.34E-03 bq10012 #10 86 100.00 3.48 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 6.66E-05 bq10012 #11 87 100.00 8.45 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 2.40E-04 bq10012 #12 88 100.00 20.52 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 2.43E-04 bq10012 #13 89 100.00 71.64 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 7.96E-05 bq10012 #14 90 100.00 71.65 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 7.96E-05 bq10012 #15 91 100.00 8.45 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 2.36E-05 bq10012 #17 92 100.00 20.52 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 7.62E-05 bq10012 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 7.62E-05 bq10012 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.00 7.62E-05 bq10012 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.00 7.62E-05 bq10012 #18			71.64				99	0.71	1.49	1.00	1.00	1.00	6.36E-03	bq100l2 #4
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83 100.00 20.52 144.00 160.00 152.00 100 0.71 1.49 1.00 1.00 1.00 5.87E-04 bq10012 #8 84 100.00 71.64 144.00 160.00 152.00 100 0.71 1.49 1.00 1.00 1.00 4.57E-03 bq10012 #9 85 100.00 171.75 144.00 160.00 152.00 100 0.71 1.49 1.00 1.00 1.00 1.34E-03 bq10012 #10 86 100.00 3.48 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 6.66E-05 bq10012 #11 87 100.00 8.45 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 2.40E-04 bq10012 #12 88 100.00 20.52 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 2.44E-04 bq10012 #13 89 100.00 71.64 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 7.96E-05 bq10012 #14 90 100.00 171.75 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 7.96E-05 bq10012 #15 91 100.00 8.45 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 2.36E-05 bq10012 #17 92 100.00 20.52 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 7.62E-05 bq10012 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.00 7.62E-05 bq10012 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.00 1.87E-04 bq10012 #18														
85 100.00 171.75 144.00 160.00 152.00 100 0.71 1.49 1.00 1.00 1.00 1.34E-03 bq10012 #10 86 100.00 3.48 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 6.66E-05 bq10012 #11 87 100.00 8.45 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 2.40E-04 bq10012 #12 88 100.00 20.52 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 2.43E-04 bq10012 #13 89 100.00 71.64 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 7.96E-05 bq10012 #14 90 100.00 171.75 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 7.96E-05 bq10012 #15 91 100.00 8.45 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 2.36E-05 bq10012 #17 92 100.00 20.52 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 7.62E-05 bq10012 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.87E-04 bq10012 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.87E-04 bq10012 #19					160.00	152.00	100	0.71	1.49	1.00	1.00	1.00		
86 100.00 3.48 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 6.66E-05 bq10012 #11 87 100.00 8.45 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 2.40E-04 bq10012 #12 88 100.00 20.52 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 2.43E-04 bq10012 #13 89 100.00 71.64 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 7.96E-05 bq10012 #14 90 100.00 171.75 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 1.00 1.54E-04 bq10012 #15 91 100.00 8.45 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 2.36E-05 bq10012 #17 92 100.00 20.52 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 7.62E-05 bq10012 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.00 7.62E-05 bq10012 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.87E-04 bq10012 #19														
87 100.00 8.45 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 2.40E-04 bq10012 #12 88 100.00 20.52 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 2.43E-04 bq10012 #13 89 100.00 71.64 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 7.96E-05 bq10012 #14 90 100.00 171.75 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 1.00 1.54E-04 bq10012 #15 91 100.00 8.45 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 2.36E-05 bq10012 #17 92 100.00 20.52 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 7.62E-05 bq10012 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.87E-04 bq10012 #19														
89 100.00 71.64 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 7.96E-05 bq10012 #14 90 100.00 171.75 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 1.54E-04 bq10012 #15 91 100.00 8.45 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 2.36E-05 bq10012 #17 92 100.00 20.52 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 7.62E-05 bq10012 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.87E-04 bq10012 #19				326.00	360.00	343.00	100	0.71	1.49	1.00	1.00	1.00		
90 100.00 171.75 326.00 360.00 343.00 100 0.71 1.49 1.00 1.00 1.00 1.54E-04 bq10012 #15 91 100.00 8.45 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 2.36E-05 bq10012 #17 92 100.00 20.52 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 7.62E-05 bq10012 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.87E-04 bq10012 #19														
91 100.00 8.45 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 2.36E-05 bq100l2 #17 92 100.00 20.52 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 7.62E-05 bq100l2 #18 93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.87E-04 bq100l2 #19														
93 100.00 71.64 617.00 682.00 649.50 100 0.71 1.49 1.00 1.00 1.00 1.87E-04 bq100l2 #19	91	100.00	8.45	617.00	682.00	649.50		0.71	1.49				2.36E-05	
75 100100 11101														
	94	100.00	171.75	617.00	682.00									
95 100.00 3.48 1197.00 1323.00 1260.00 100 0.71 1.49 1.00 1.00 1.00 1.55E-04 bq100l2 #21		100.00	3.48											
96 100.00 8.45 1197.00 1323.00 1260.00 100 0.71 1.49 1.00 1.00 1.00 3.91E-05 bq100l2 #22 97 100.00 20.52 1197.00 1323.00 1260.00 100 0.71 1.49 1.00 1.00 1.00 7.23E-06 bq100l2 #23														
98 100.00 71.64 1197.00 1323.00 1260.00 100 0.71 1.49 1.00 1.00 1.00 3.81E-05 bq100l2 #24													3.81E-05	bq100l2 #24
99 100.00 171.75 1197.00 1323.00 1260.00 100 0.71 1.49 1.00 1.00 1.00 8.35E-06 bq100l2 #25	99	100.00	171.75	1197.00	1323.00									
100 100.00 3.48 2431.00 2687.00 2559.00 100 0.71 1.49 1.00 1.00 1.00 2.87E-04 bq100l2 #26 101 100.00 8.45 2431.00 2687.00 2559.00 100 0.71 1.49 1.00 1.00 1.00 9.84E-05 bq100l2 #27														
102 100.00 20.52 2431.00 2687.00 2559.00 71 0.71 1.49 1.00 1.00 1.00 3.41E-03 bq100l2 #28								0.71	1.49	1.00	1.00	1.00	3.41E-03	bq100l2 #28
103 150.00 3.48 4830.00 5330.00 5080.00 100 0.71 1.49 1.00 1.00 1.00 3.29E-04 bq150h2 #1	103	150.00												
104 150.00 8.45 4830.00 5330.00 5080.00 100 0.71 1.49 1.00 1.00 1.00 2.20E-05 bq150h2 #2 105 150.00 20.52 4830.00 5330.00 5080.00 100 0.71 1.49 1.00 1.00 1.00 1.16E-05 bq150h2 #3														
106 150.00 71.64 4830.00 5330.00 5080.00 100 0.71 1.49 1.00 1.00 1.00 2.96E-05 bq150h2 #4								0.71	1.49	1.00	1.00	1.00	2.96E-05	bq150h2 #4
107 150.00 171.75 4830.00 5330.00 5080.00 100 0.71 1.49 1.00 1.00 1.00 3.99E-05 bq150h2 #5														
108 150.00 3.48 7259.00 8019.00 7639.00 100 0.71 1.49 1.00 1.00 1.00 2.51E-04 bq150h2 #6 109 150.00 8.45 7259.00 8019.00 7639.00 100 0.71 1.49 1.00 1.00 1.00 1.00E-05 bq150h2 #7														
110 150.00 20.52 7259.00 8019.00 7639.00 100 0.71 1.49 1.00 1.00 1.00 5.02E-06 bq150h2 #8			20.52	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	5.02E-06	bq150h2 #8
111 150.00 71.64 7259.00 8019.00 7639.00 99 0.71 1.49 1.00 1.00 1.00 2.51E-05 bq150h2 #9 112 150.00 171.75 7259.00 8019.00 7639.00 100 0.71 1.49 1.00 1.00 1.00 4.33E-05 bq150h2 #10														
112 150.00 171.75 7259.00 8019.00 7639.00 100 0.71 1.49 1.00 1.00 1.00 4.33E-05 bq150h2 #10 113 150.00 3.48 9688.00 10708.00 10198.00 100 0.71 1.49 1.00 1.00 1.00 2.74E-04 bq150h2 #11														
114 150.00 8.45 9688.00 10708.00 10198.00 100 0.71 1.49 1.00 1.00 3.42E-05 bq150h2 #12	114	150.00	8.45	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	3.42E-05	bq150h2 #12
115 150.00 20.52 9688.00 10708.00 10198.00 100 0.71 1.49 1.00 1.00 1.00 1.55E-05 bq150h2 #13 116 150.00 71.64 9688.00 10708.00 10198.00 100 0.71 1.49 1.00 1.00 1.00 5.83E-06 bq150h2 #14														
117 150.00 171.75 9688.00 10708.00 10198.00 100 0.71 1.49 1.00 1.00 1.00 3.07E-05 bq150h2 #15												1.00	3.07E-05	bq150h2 #15
118 150.00 3.48 72.00 80.00 76.00 100 0.71 1.49 1.00 1.00 1.00 3.91E-03 bq150l2 #1	118	150.00	3.48	72.00	80.00	76.00	100	0.71	1.49	1.00	1.00	1.00		
119 150.00 8.45 72.00 80.00 76.00 100 0.71 1.49 1.00 1.00 1.00 2.53E-03 bq150l2 #2 120 150.00 20.52 72.00 80.00 76.00 47 0.71 1.49 1.00 1.00 1.00 2.08E-01 bq150l2 #3														

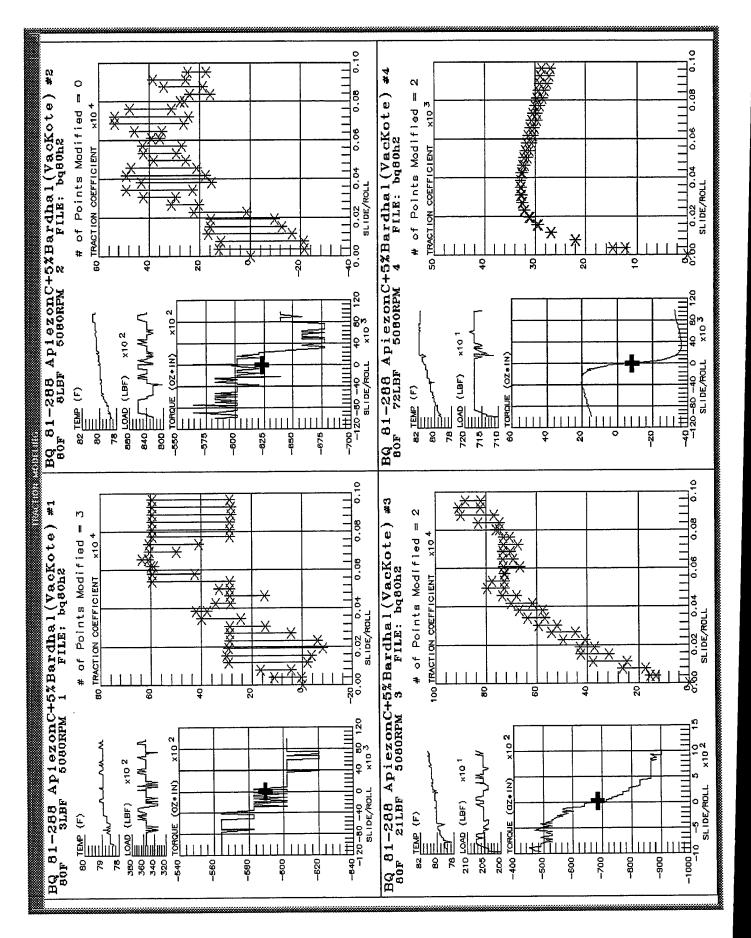
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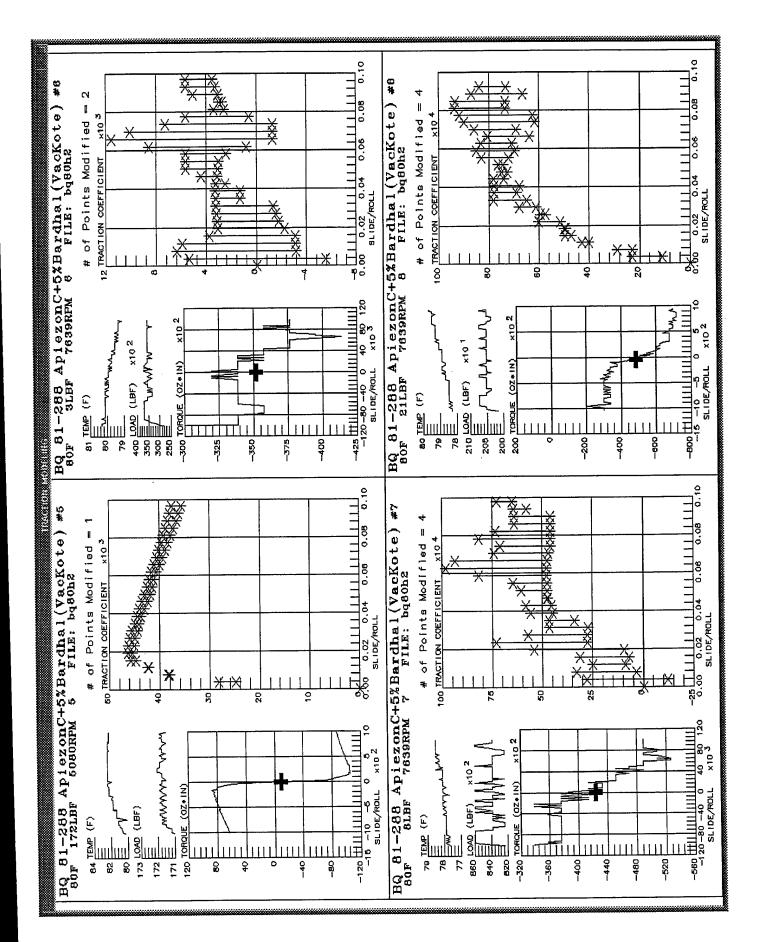
	Temp F	Load lbf	Rpm1	Rpm2	RollRpm			alibra [.] Load2	tion Fa Rpm1		Torq	SqDev	Dataset/Test #
121	150.00	71.64	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	1.01E-04	bq150l2 #19
122	150.00	171.75	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	2.16E-04	bq150l2 #20
123 124	150.00 150.00	3.48 8.45	1197.00 1197.00	1323.00 1323.00	1260.00 1260.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00	1.00 1.00	1.82E-04 5.14E-05	bq150l2 #21 bq150l2 #22
125	150.00	20.52	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	6.26E-06	bq150l2 #23
126	150.00	71.64	1197.00	1323.00	1260.00	55	0.71	1.49	1.00	1.00	1.00	1.61E-02	bq150l2 #24
127 128	200.00 200.00	3.48 8.45	4830.00 4830.00	5330.00 5330.00	5080.00 5080.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	2.84E-04 1.95E-05	bq200h2 #1 bq200h2 #2
129	200.00	20.52	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	5.93E-06	bq200h2 #3
130	200.00	71.64	4830.00	5330.00	5080.00	100	0.71	1.49	1.00		1.00	2.99E-05	bq200h2 #4
131 132	200.00	171.75 3.48	4830.00 7259.00	5330.00 8019.00	5080.00 7639.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.01E-04 2.60E-03	bq200h2 #5 bq200h2 #6
133	200.00	8.45	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	2.84E-05	bq200h2 #7
134	200.00	20.52	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	2.67E-04	bq200h2 #8
135 136	200.00 200.00	71.64 171.75	7259.00 7259.00	8019.00 8019.00	7639.00 7639.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	5.51E-06 1.02E-05	bq200h2 #9 bq200h2 #10
137	200.00	3.48	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.24E-04	bq200h2 #11
138	200.00	8.45	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	5.57E-05 1.60E-05	bq200h2 #12 bq200h2 #13
139 140	200.00	20.52 71.64	9688.00 9688.00	10708.00 10708.00	10198.00 10198.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	2.71E-05	bq200h2 #14
141	200.00	171.75	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.14E-05	bq200h2 #15
142	200.00	3.48	72.00	80.00	76.00	100	0.71	1.49	1.00	1.00	1.00	4.92E-03	bq20012 #1
143 144	200.00	8.45 20.52	72.00 72.00	80.00 80.00	76.00 76.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.79E-02 3.61E-02	bq200l2 #2 bq200l2 #3
145	200.00	71.64	72.00	80.00	76.00	100	0.71	1.49	1.00	1.00	1.00	2.88E-02	bq200l2 #4
146	200.00	171.75	72.00	80.00	76.00	100	0.71	1.49	1.00	1.00	1.00 1.00	7.68E-03 5.15E-04	bq200l2 #5 bq200l2 #6
147 148	200.00	3.48 8.45	144.00 144.00	160.00 160.00	152.00 152.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00	3.99E-03	bq20012 #7
149	200.00	20.52	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	1.75E-03	bq200l2 #8
150	200.00	71.64	144.00	160.00	152.00 152.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00	1.00	6.20E-03 5.65E-03	bq200l2 #9 bq200l2 #10
151 152	200.00	171.75 3.48	144.00 326.00	160.00 360.00	343.00	100	0.71	1.49	1.00	1.00	1.00	1.21E-04	bq20012 #11
153	200.00	8.45	326.00	360.00	343.00	100	0.71	1.49	1.00	1.00	1.00	3.95E-04	bq200l2 #12
154	200.00	20.52	326.00	360.00	343.00 343.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	5.06E-05 3.86E-04	bq200l2 #13 bq200l2 #14
155 156	200.00	71.64 171.75	326.00 326.00	360.00 360.00	343.00	100	0.71	1.49	1.00	1.00	1.00	1.15E-04	bq20012 #15
157	200.00	3.48	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	7.16E-05	bq20012 #16
158 159	200.00	8.45 20.52	617.00 617.00	682.00 682.00	649.50 649.50	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.24E-05 8.22E-06	bq20012 #17 bq20012 #18
160	200.00	71.64	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	1.08E-04	bq200l2 #19
161	200.00	171.75	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	1.22E-05	bq20012 #20
162 163	200.00	3.48 8.45	1197.00 1197.00	1323.00 1323.00	1260.00 1260.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	9.96E-05 2.16E-05	bq200l2 #21 bq200l2 #22
164	200.00	20.52	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	2.37E-06	bq20012 #23
165	200.00	71.64	1197.00	1323.00	1260.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	9.02E-05 4.15E-05	bq200l2 #24 bq200l2 #25
166 167	200.00	171.75 3.48	1197.00 2431.00	1323.00 2687.00	1260.00 2559.00	100	0.71	1.49	1.00	1.00	1.00	3.33E-04	bq20012 #26
168	200.00	8.45	2431.00	2687.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	1.63E-04	bq20012 #27
169 170	200.00	20.52 71.64	2431.00 2431.00	2687.00 2687.00	2559.00 2559.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.03E-05 6.04E-07	bq20012 #28 bq20012 #29
171	200.00	171.75	2431.00	2687.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	1.54E-05	ba200l2 #30
172	250.00	3.48	4830.00	5330.00	5080.00	100		1.49	1.00	1.00	1.00	1.05E-04	bq250h2 #1
173 174	250.00 250.00	8.45 20.52	4830.00 4830.00	5330.00 5330.00	5080.00 5080.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00	3.04E-05 3.84E-06	bq250h2 #2 bq250h2 #3
175	250.00	71.64	4830.00	5330.00	5080.00	100		1.49	1.00	1.00	1.00	1.68E-05	bq250h2 #4
176		171.75	4830.00	5330.00	5080.00	100		1.49	1.00	1.00	1.00	1.96E-05	bq250h2 #5 bq250h2 #6
177 178		3.48 8.45	7259.00 7259.00	8019.00 8019.00	7639.00 7639.00	100 100		1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	4.48E-04 8.19E-04	ba250h2 #7
179	250.00	20.52	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	8.06E-06	bq250h2 #8
180		71.64	7259.00	8019.00	7639.00 7639.00	100		1.49 1.49	1.00	1.00 1.00	1.00 1.00	2.55E-06 1.44E-05	bq250h2 #9 bq250h2 #10
181 182		171.75 3.48	7259.00 9688.00	8019.00 10708.00	10198.00	100 100		1.49	1.00	1.00	1.00	3.48E-04	bq250h2 #11
183	250.00	8.45	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	2.68E-05	bg250h2 #12
184 185		20.52 71.64	9688.00 9688.00	10708.00 10708.00	10198.00 10198.00	100 100		1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	3.56E-05 4.09E-06	bq250h2 #13 bq250h2 #14
186			9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	9.61E-06	bq250h2 #15
187	250.00	3.48	72.00	80.00	76.00		0.71	1.49	1.00	1.00	1.00	5.22E-03	bq250l2 #1
188 189			72.00 72.00	80.00 80.00	76.00 76.00	100 100		1.49 1.49		1.00	1.00	1.73E-02 3.62E-02	bq25012 #2 bq25012 #3
190			72.00	80.00	76.00					1.00	1.00	9.41E-03	

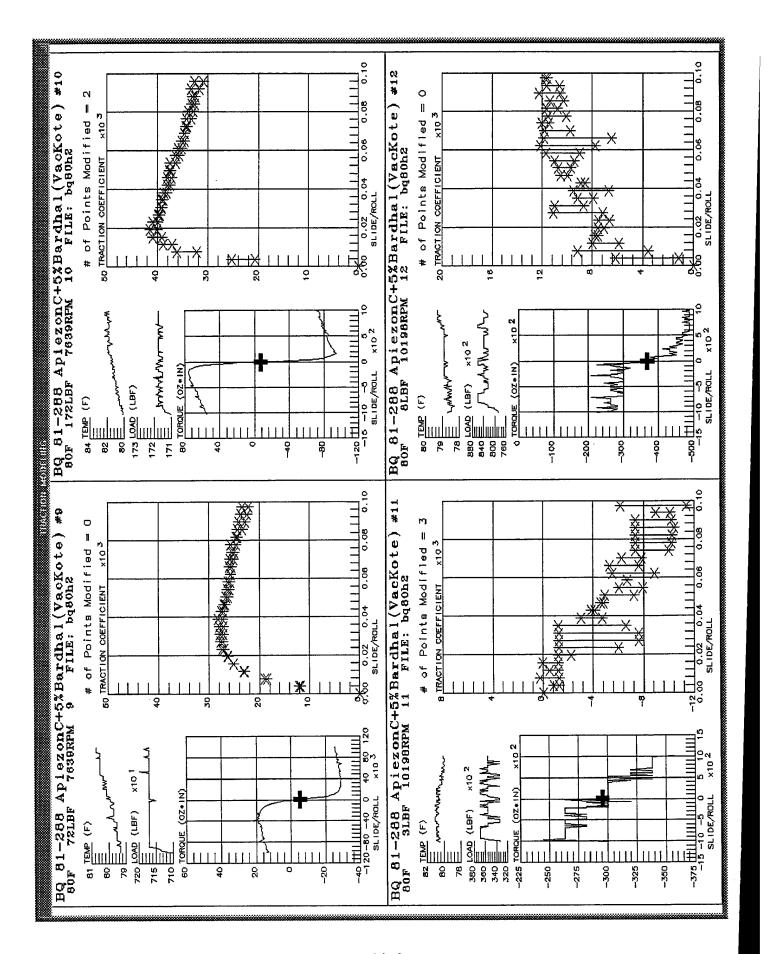
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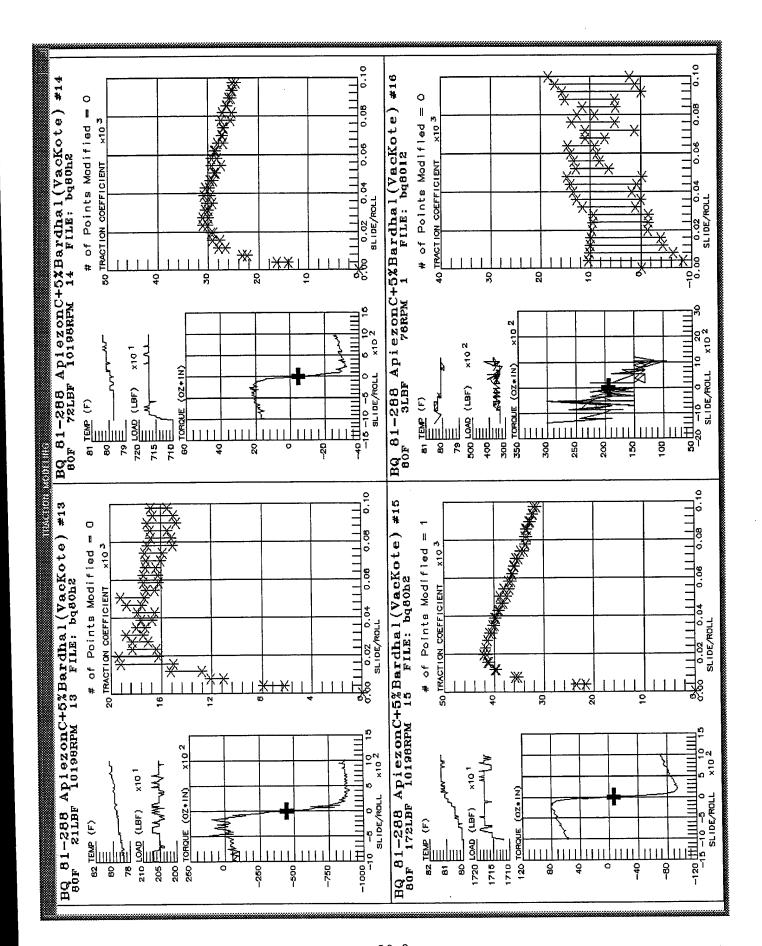
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192	250.00	3.48	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	1.09E-02	bq250l2 #6
193	250.00	8.45	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	1.05E-03	bq250l2 #7
194	250.00	20.52	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	5.03E-03	bq25012 #8
195	250.00	71.64	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	1.11E-02	bq25012 #9
196	250.00	171.75	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	2.17E-03	bq25012 #10
197	250.00	3.48	326.00	360.00	343.00	100	0.71	1.49	1.00	1.00	1.00	5.58E-03	bq25012 #11
198	250.00	8.45	326.00	360.00	343.00	100	0.71	1.49	1.00	1.00	1.00	5.05E-05	bq25012 #12
199	250.00	20.52	326.00	360.00	343.00	100	0.71	1.49	1.00	1.00	1.00	6.92E-05 5.43E-04	bq25012 #13
200	250.00	71.64	326.00	360.00 360.00	343.00 343.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	3.64E-04	bq25012 #14 bq25012 #15
201 202	250.00 250.00	171.75 3.48	326.00 617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	1.33E-04	bq25012 #16
203	250.00	8.45	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	3.47E-05	bq25012 #17
204	250.00	20.52	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	5.48E-06	bq25012 #18
205	250.00	71.64	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	1.50E-05	bq25012 #19
206	250.00	171.75	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	1.98E-04	bq25012 #20
207	250.00	3.48	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	6.66E-05	bq250l2 #21
208	250.00	8.45	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	1.86E-05	bq25012 #22
209	250.00	20.52	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	4.91E-06	bq25012 #23
210	250.00	71.64	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	9.29E-06	bq250l2 #24
211	250.00	171.75	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	3.19E-05	bq25012 #25
212	250.00	3.48	2431.00	2687.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	2.10E-04	bq25012 #26
213	250.00	8.45	2431.00	2687.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	6.56E-05	bq25012 #27
214	250.00	20.52	2431.00	2687.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	4.17E-06 3.42E-06	bq25012 #28
215	250.00	71.64	2431.00	2687.00	2559.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	2.27E-05	bq25012 #29 bq25012 #30
216	250.00 300.00	171.75 3.48	2431.00 4830.00	2687.00 5330.00	2559.00 5080.00	100	0.71	1.49	1.00	1.00	1.00	3.69E-05	bq300h2 #1
217 218	300.00	8.45	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	2.27E-05	bq300h2 #2
219	300.00	20.52	4830.00	5330.00	5080.00	76	0.71	1.49	1.00	1.00	1.00	4.84E-06	bq300h2 #3
220	300.00	71.64	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	1.92E-05	bq300h2 #4
221	300.00	171.75	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	7.34E-06	bq300h2 #5
222	300.00	3.48	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	1.95E-04	bq300h2 #6
223	300.00	8.45	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	5.55E-05	bq300h2 #7
224	300.00	20.52	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	1.21E-05	bq300h2 #8
225	300.00	71.64	7259.00	8019.00	7639.00	79	0.71	1.49	1.00	1.00	1.00	9.47E-04	bq300h2 #9
226	300.00	3.48	72.00	80.00	76.00	100	0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	6.63E-03 3.06E-02	bq300l2 #1 bq300l2 #2
227	300.00	8.45 20.52	72.00 72.00	80.00 80.00	76.00 76.00	100 100	0.71 0.71	1.49	1.00	1.00	1.00	6.77E-02	bq30012 #2
228 229	300.00 300.00	71.64	72.00	80.00	76.00	100	0.71	1.49	1.00	1.00	1.00	1.96E-02	bq30012 #4
230	300.00	171.75	72.00	80.00	76.00	100	0.71	1.49	1.00	1.00	1.00	1.11E-02	bq30012 #5
231	300.00	3.48	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	8.71E-04	bq30012 #6
232	300.00	8.45	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	6.95E-03	bq300l2 #7
233	300.00	20.52	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	4.38E-03	bq30012 #8
234	300.00	71.64	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	8.53E-03	bq30012 #9
235	300.00	171.75	144.00	160.00	152.00	100	0.71	1.49	1.00	1.00	1.00	1.13E-02	bq30012 #10
236	300.00	3.48	326.00	360.00	343.00	100	0.71	1.49	1.00	1.00	1.00	2.88E-03	bq30012 #11
237	300.00	8.45	326.00	360.00	343.00	100	0.71	1.49	1.00 1.00	1.00 1.00	1.00	3.48E-04 3.56E-04	bq300l2 #12 bq300l2 #13
238	300.00	20.52 71.64	326.00 326.00	360.00 360.00	343.00 343.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00	1.00 1.00	7.12E-04	bq30012 #14
239 240	300.00 300.00	171.75	326.00	360.00	343.00	100	0.71	1.49	1.00		1.00	1.30E-04	bq30012 #15
240	300.00	3.48	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	8.50E-05	bq30012 #16
242	300.00	8.45	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	2.68E-05	bq30012 #17
243	300.00	20.52	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	1.39E-05	bq30012 #18
244	300.00	71.64	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	6.19E-05	bq300l2 #19
245	300.00	171.75	617.00	682.00	649.50	100	0.71	1.49	1.00	1.00	1.00	7.15E-05	bq30012 #20
246	300.00	3.48	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	9.08E-05	bq30012 #21
247	300.00	8.45	1197.00	1323.00	1260.00	100	0.71	1.49	1.00	1.00	1.00	4.12E-05	bq30012 #22
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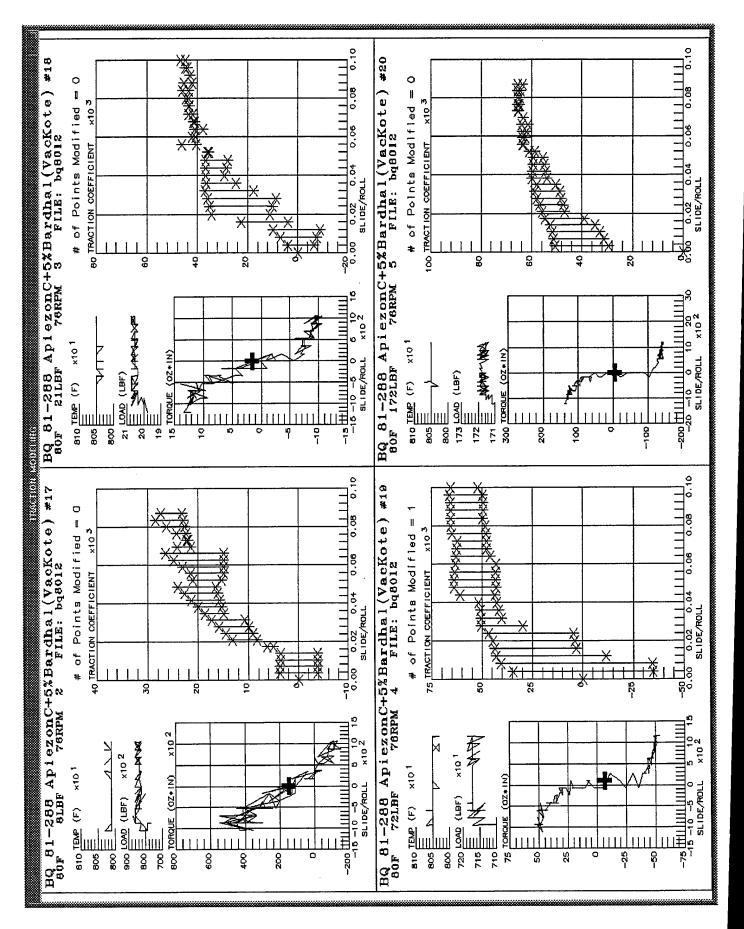
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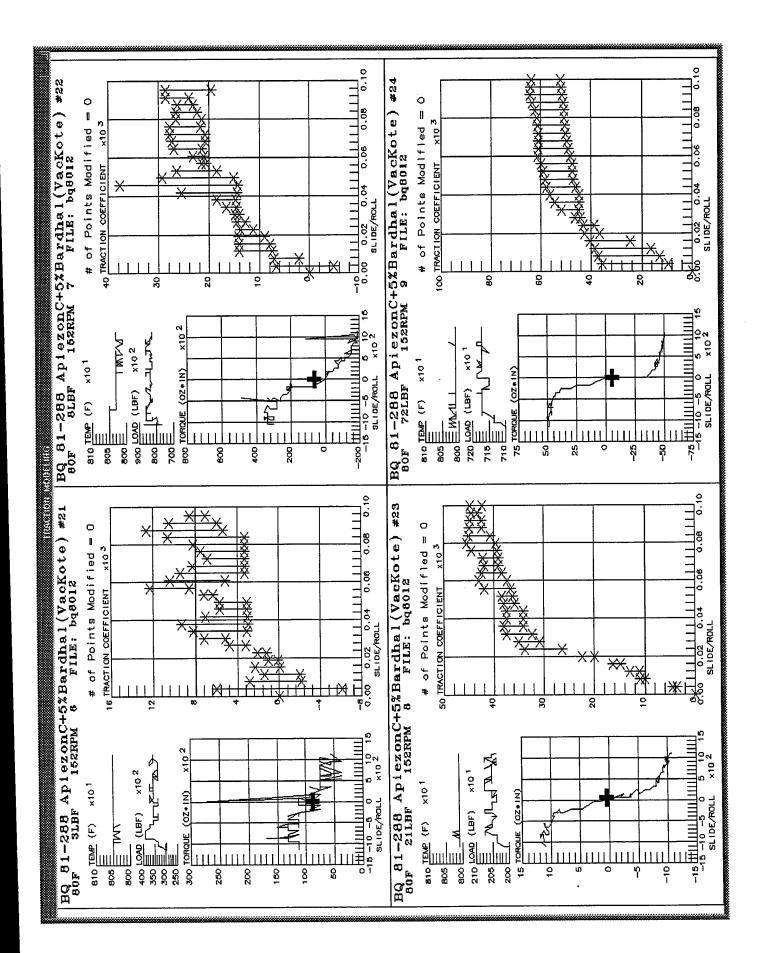


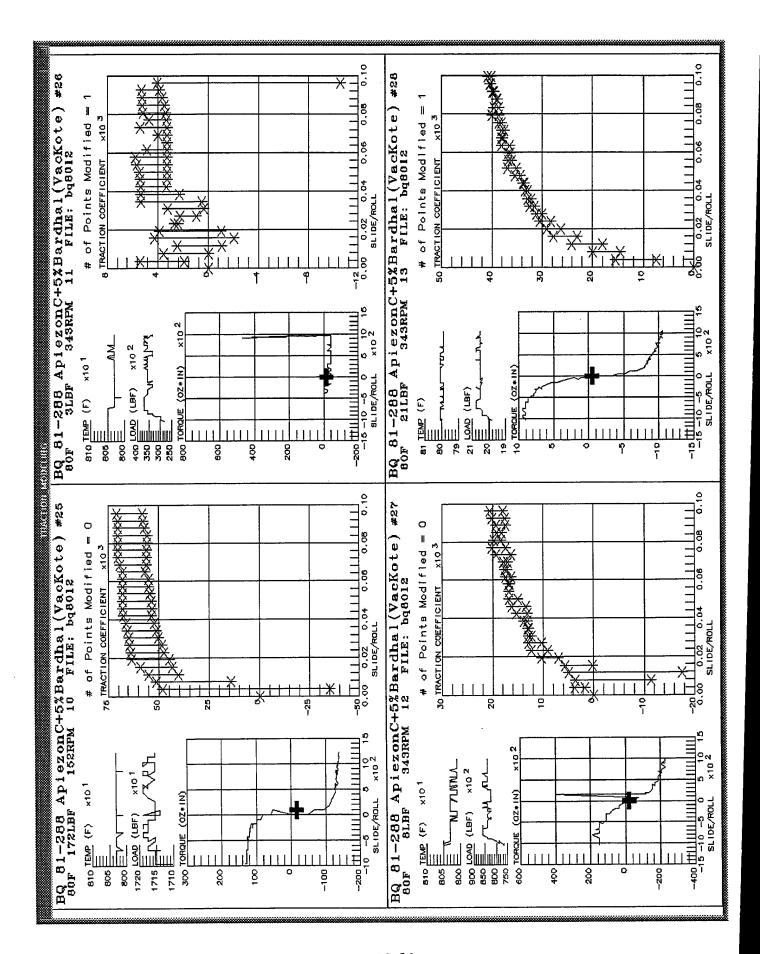


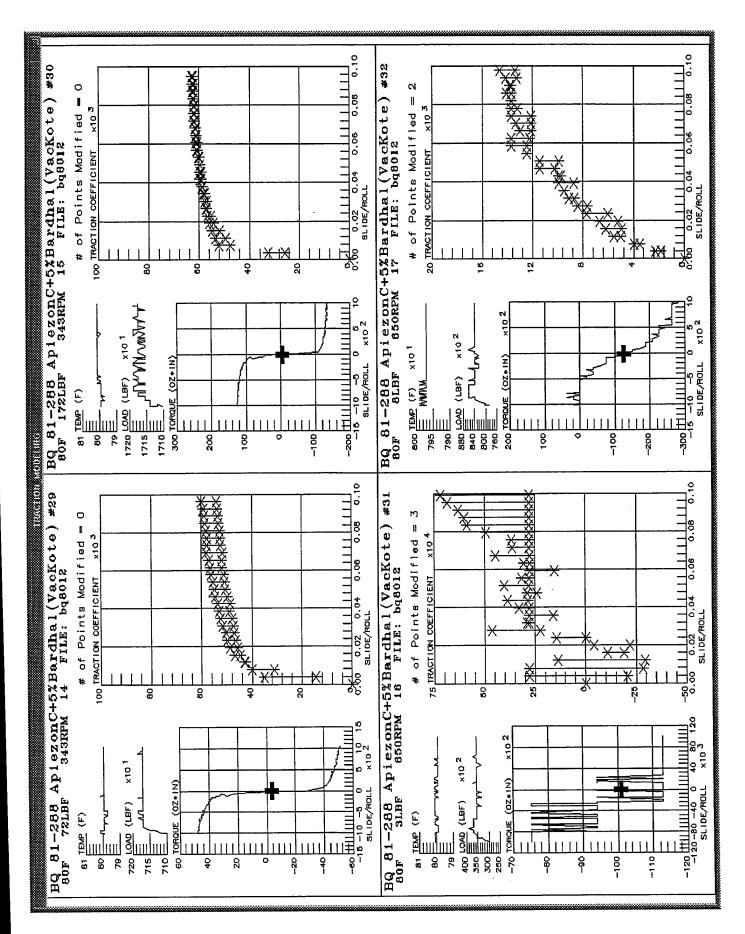


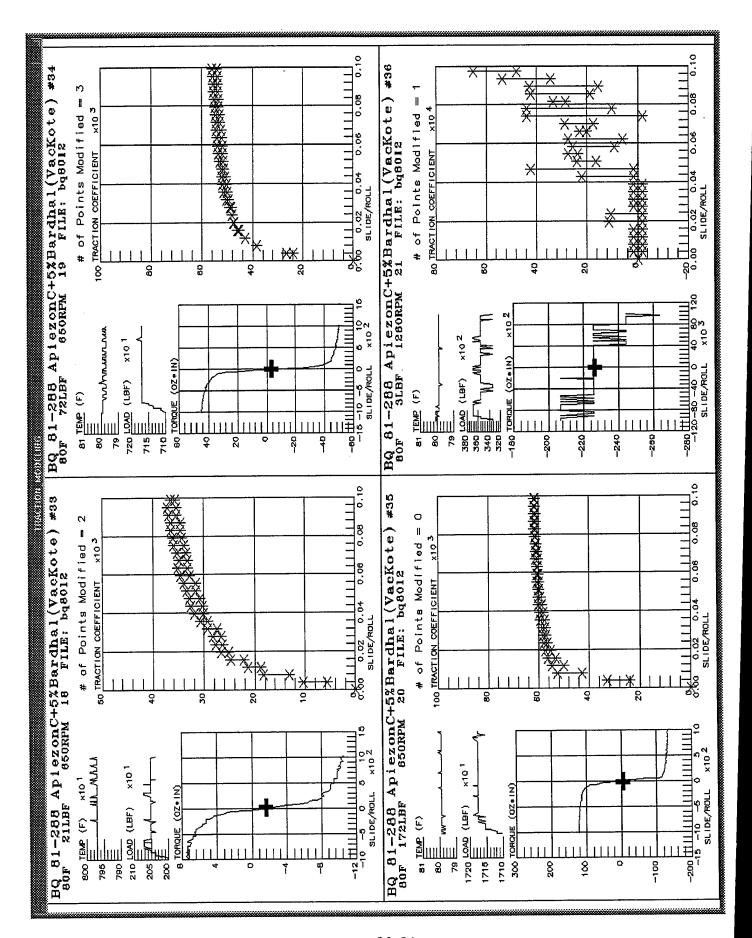


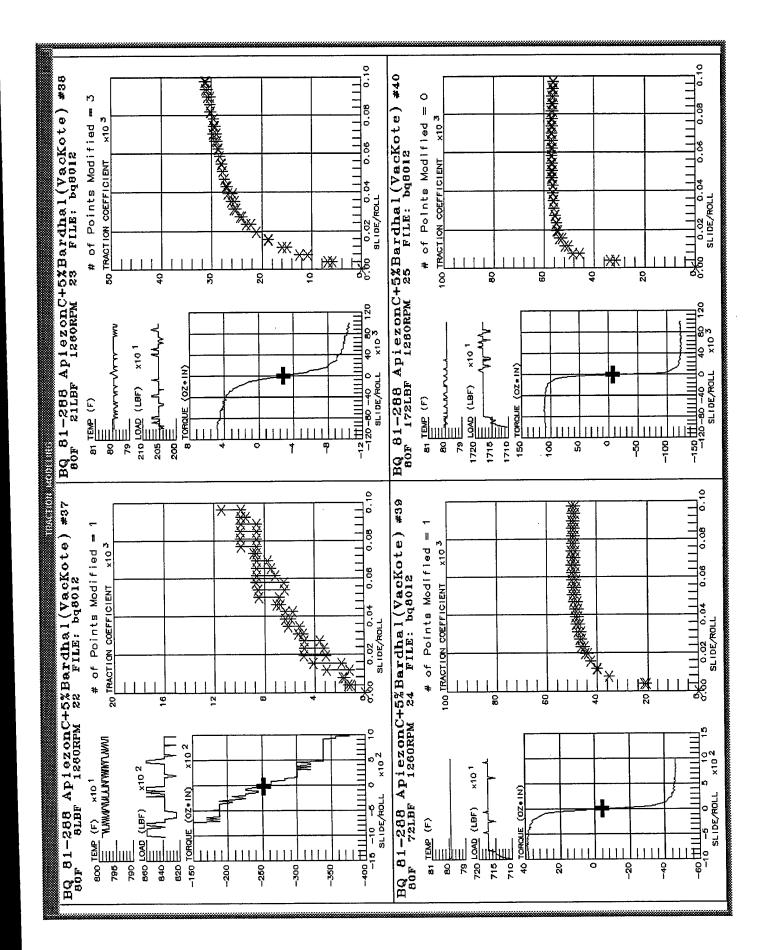


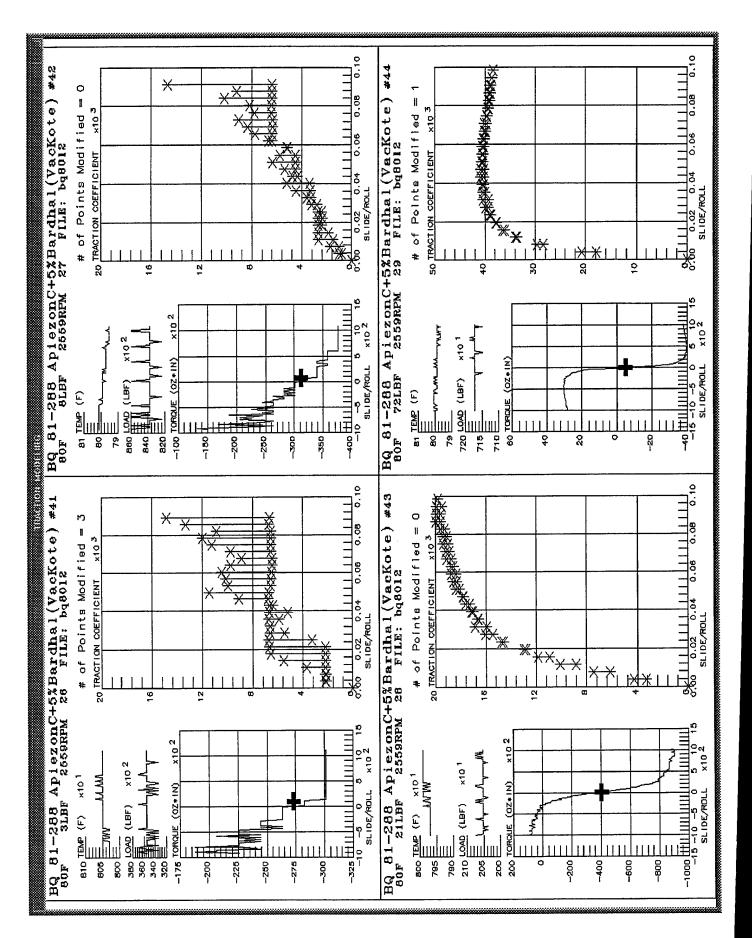


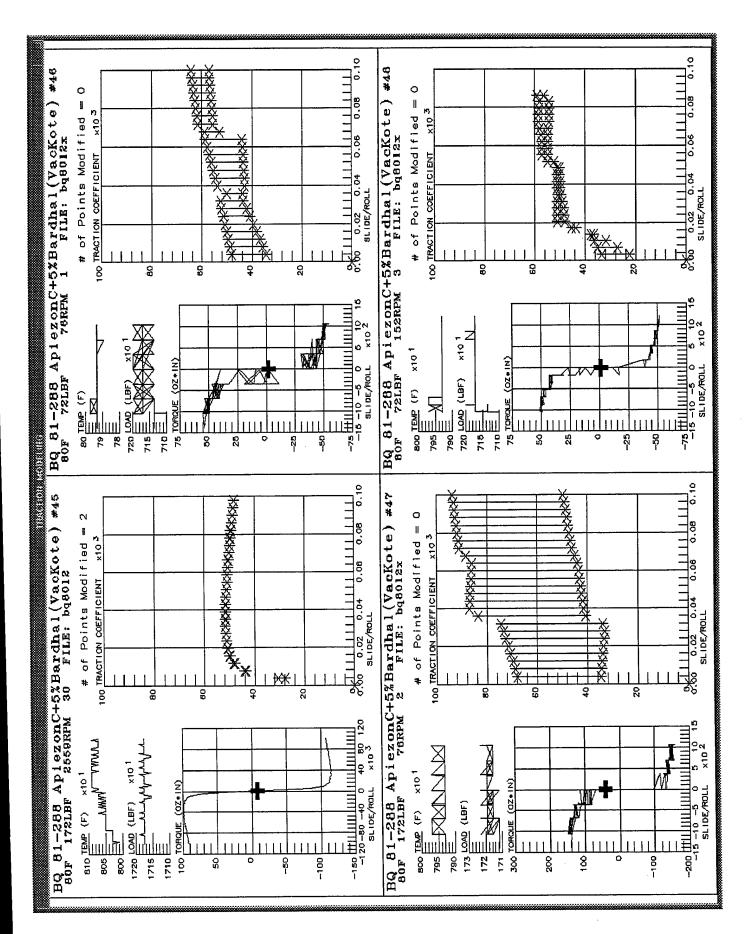


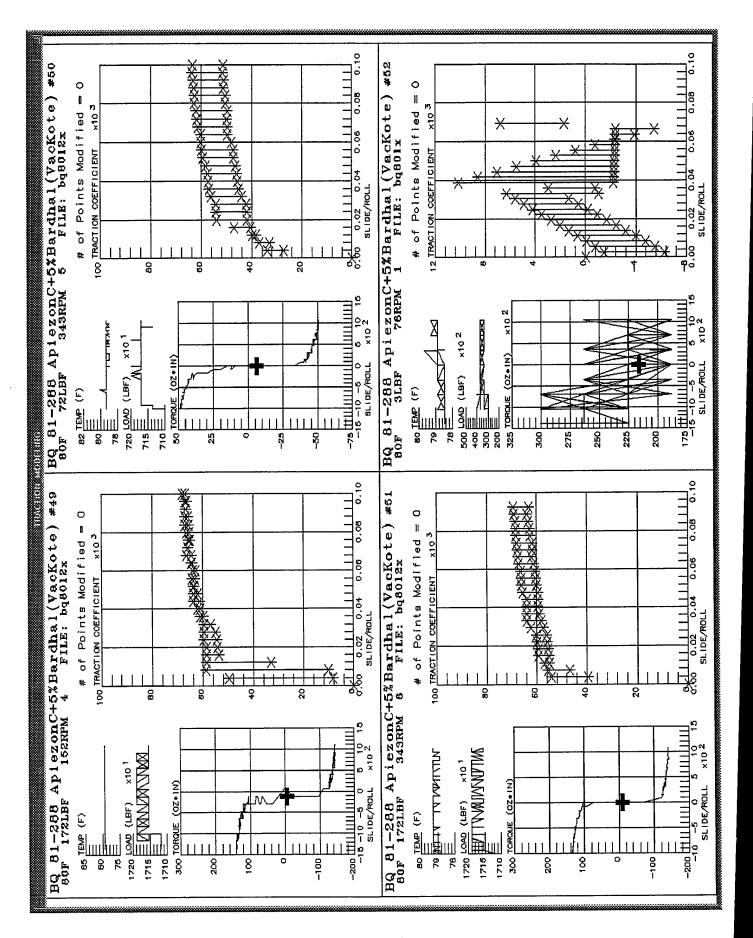


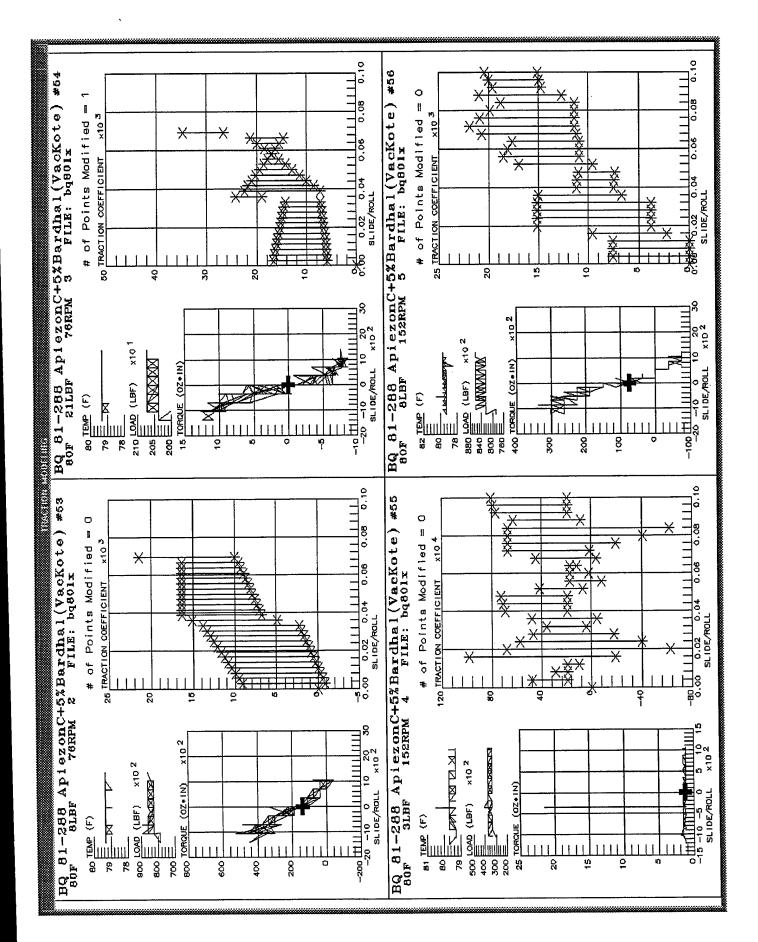


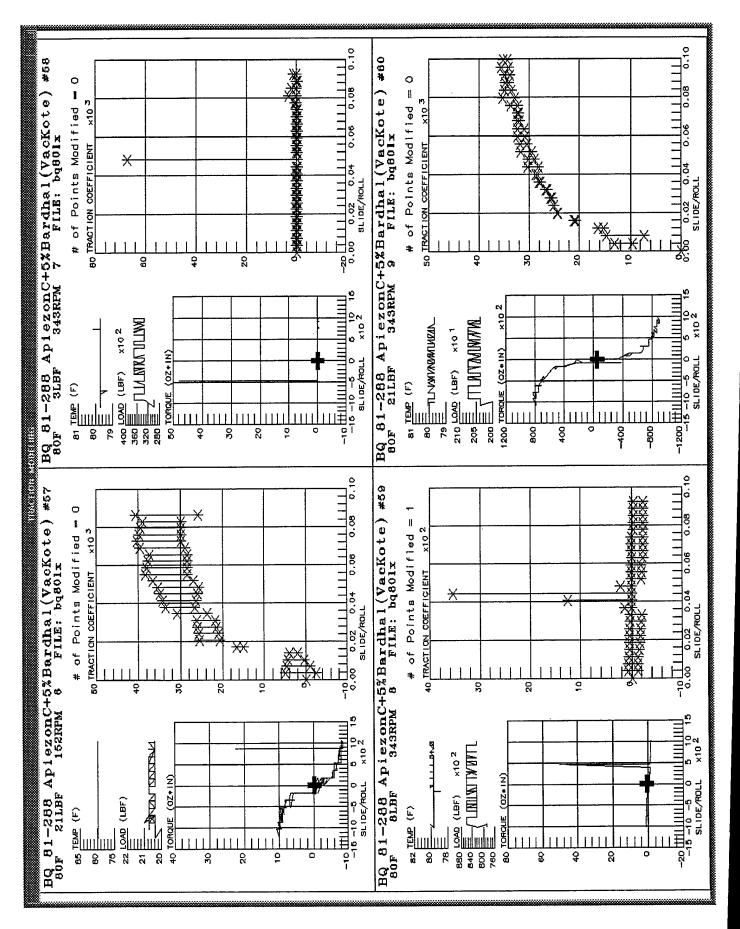


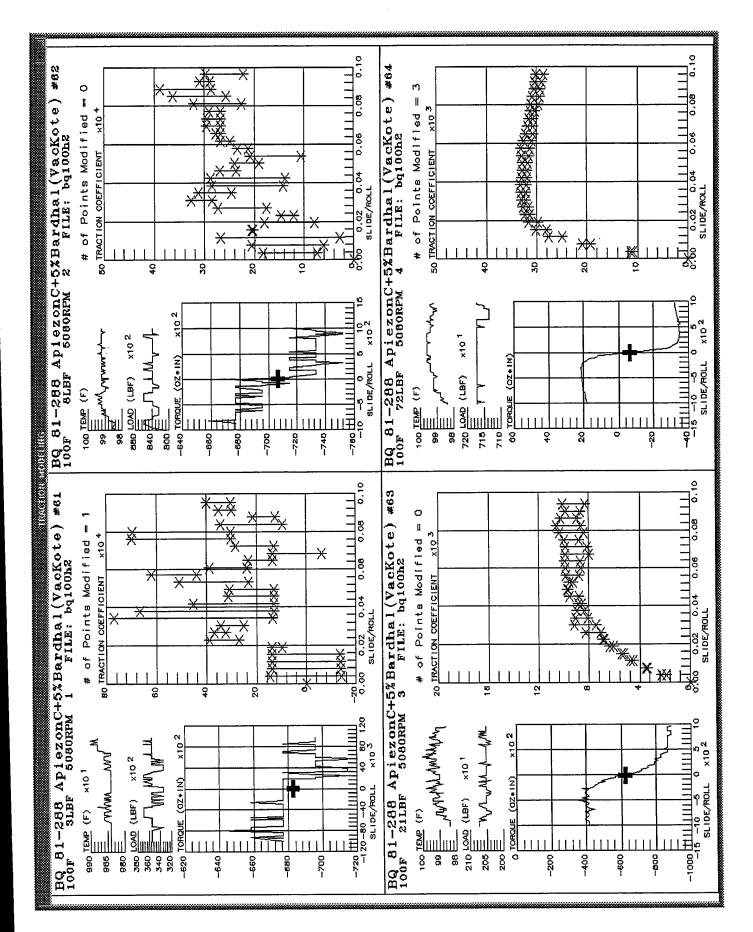


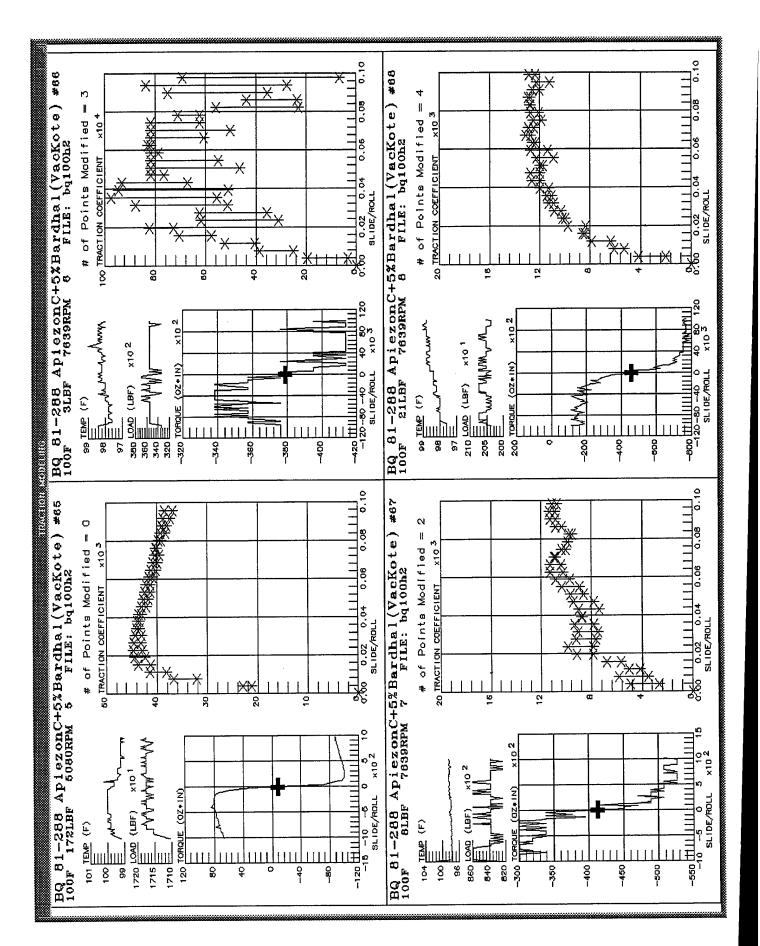


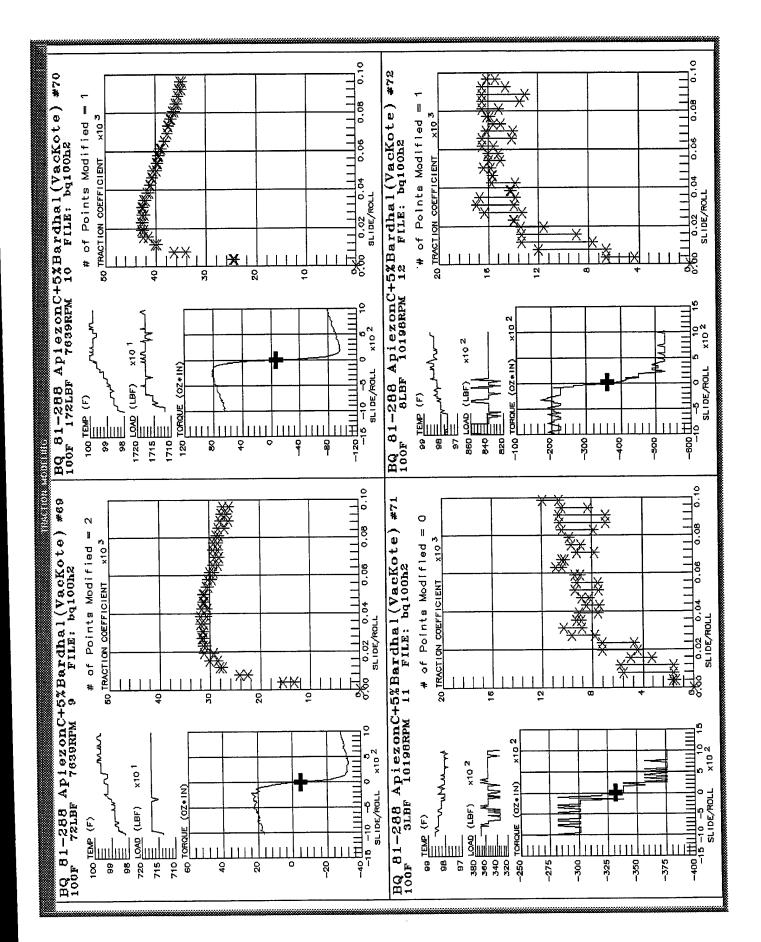


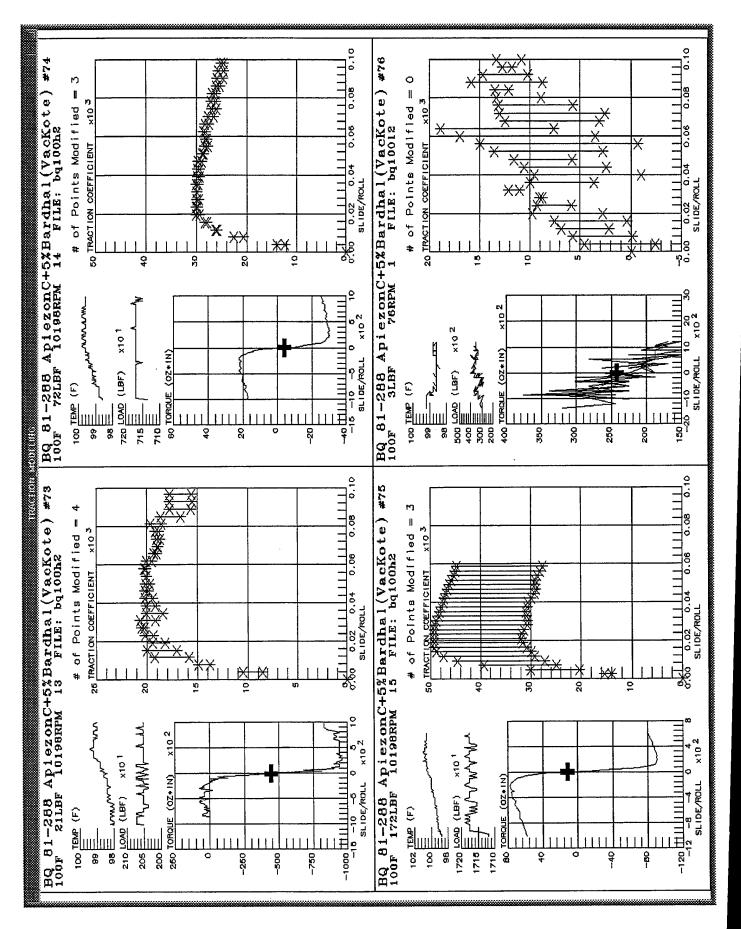


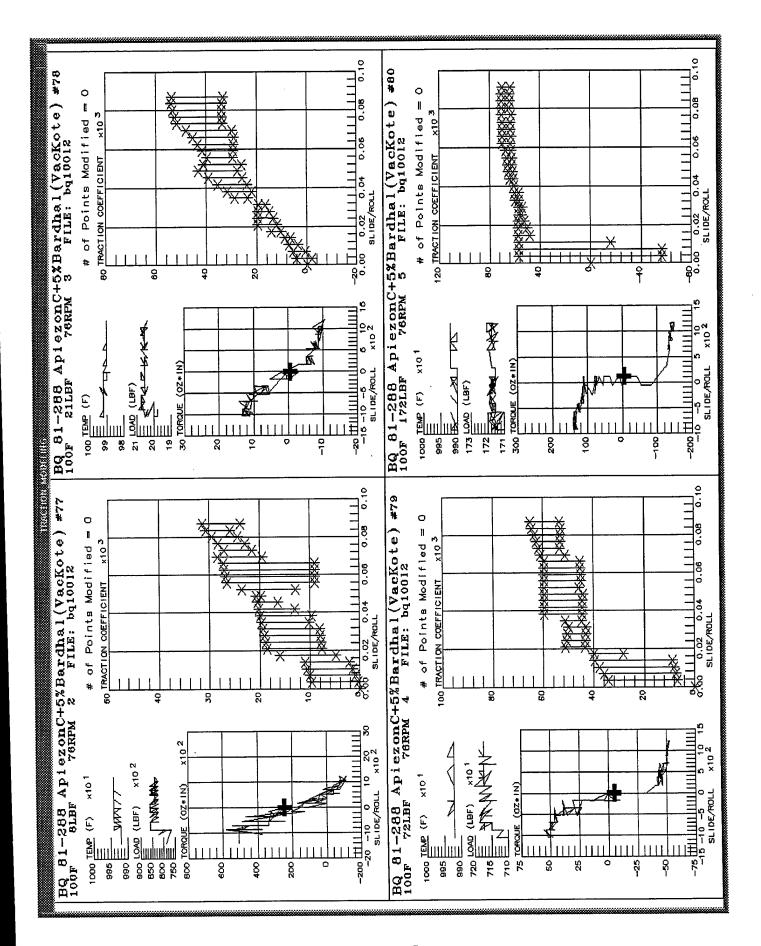


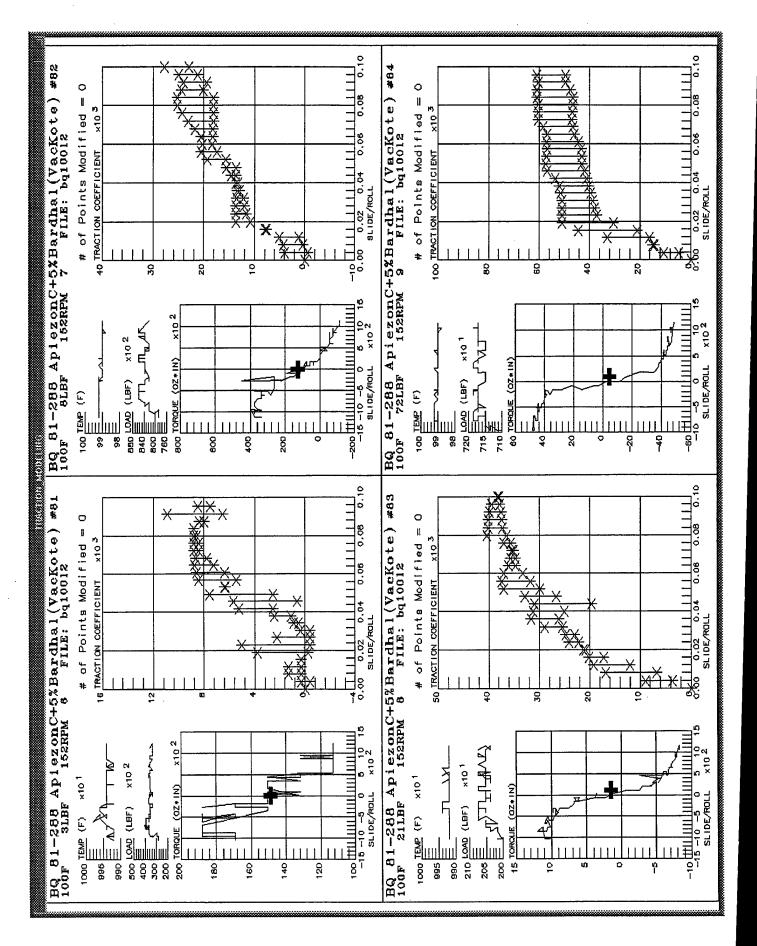


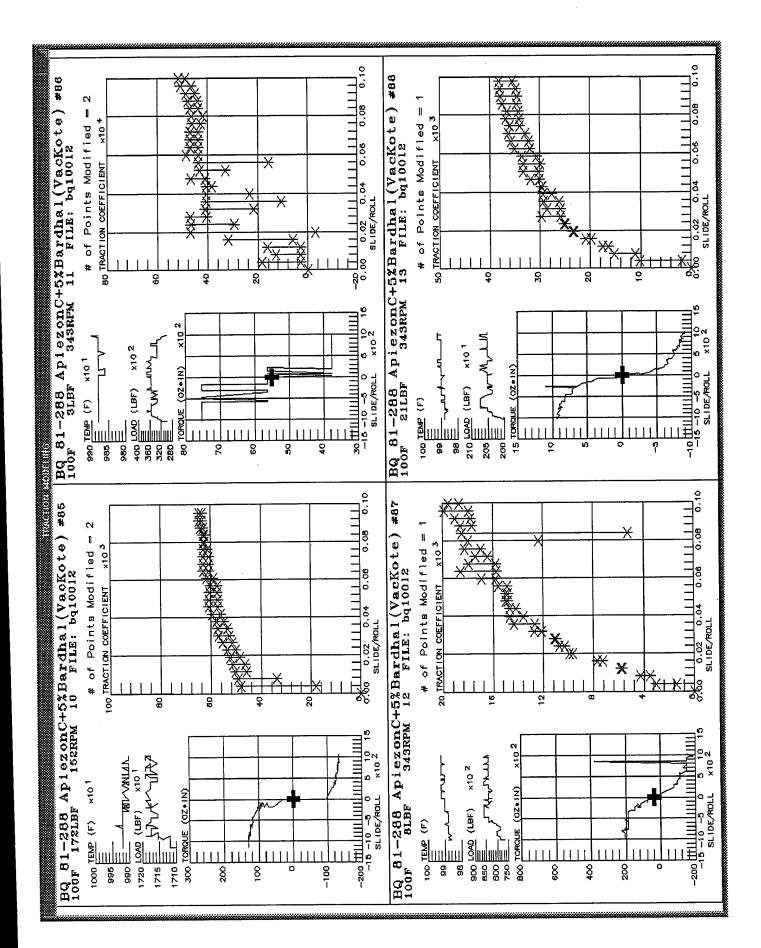


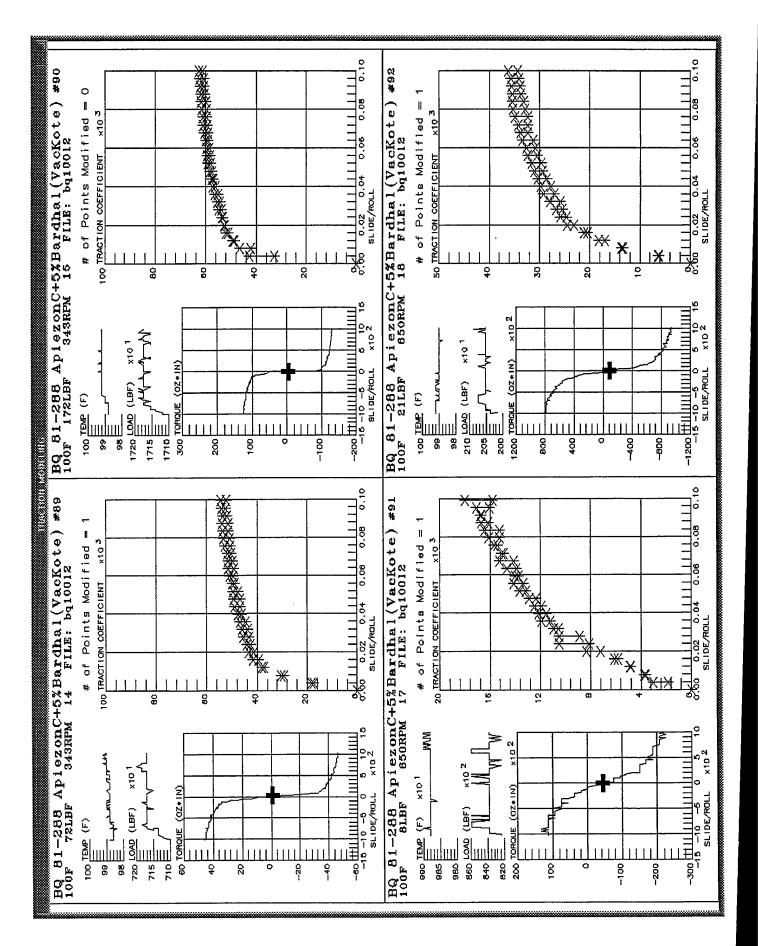


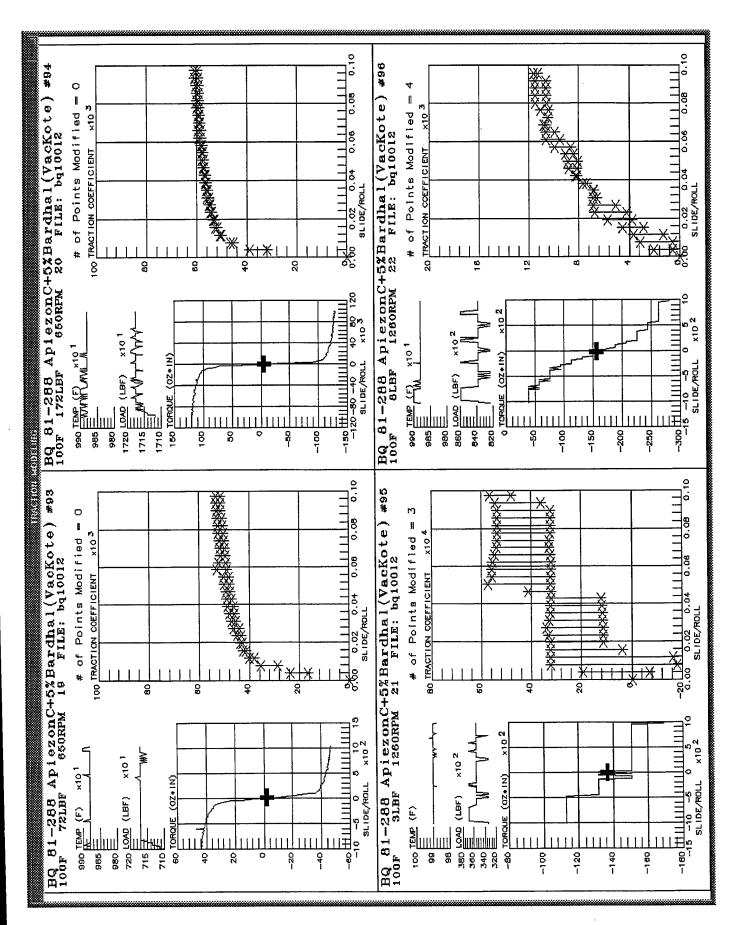


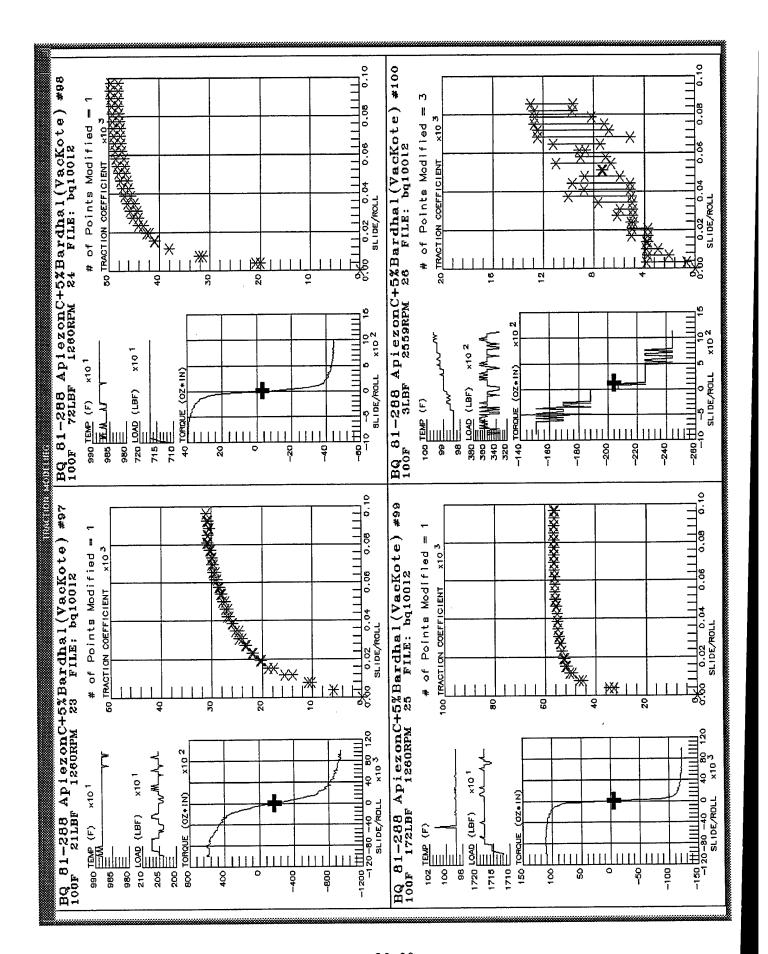


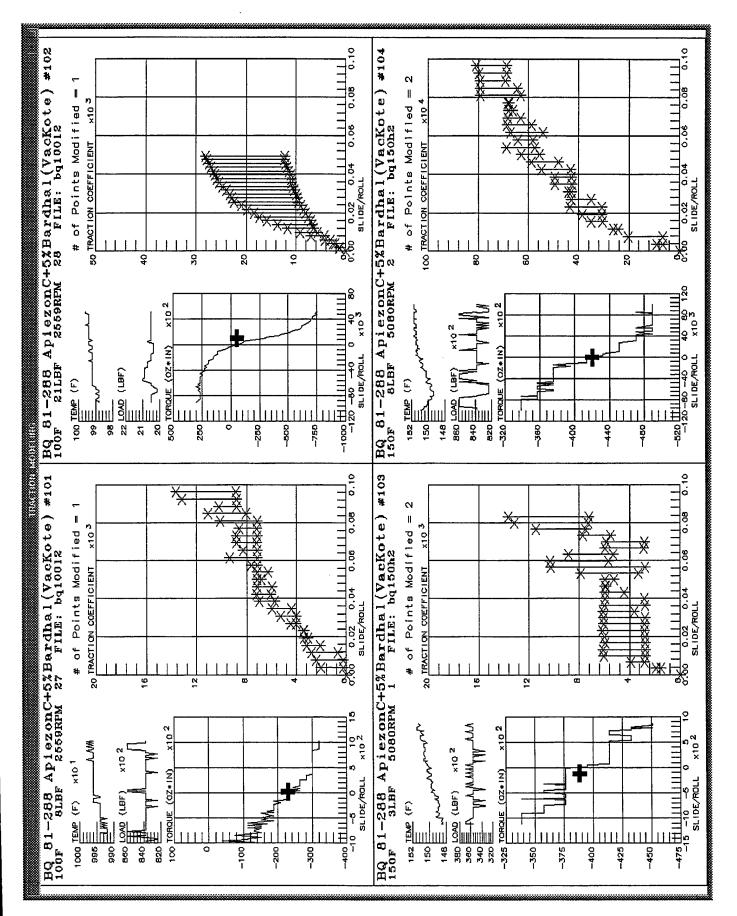


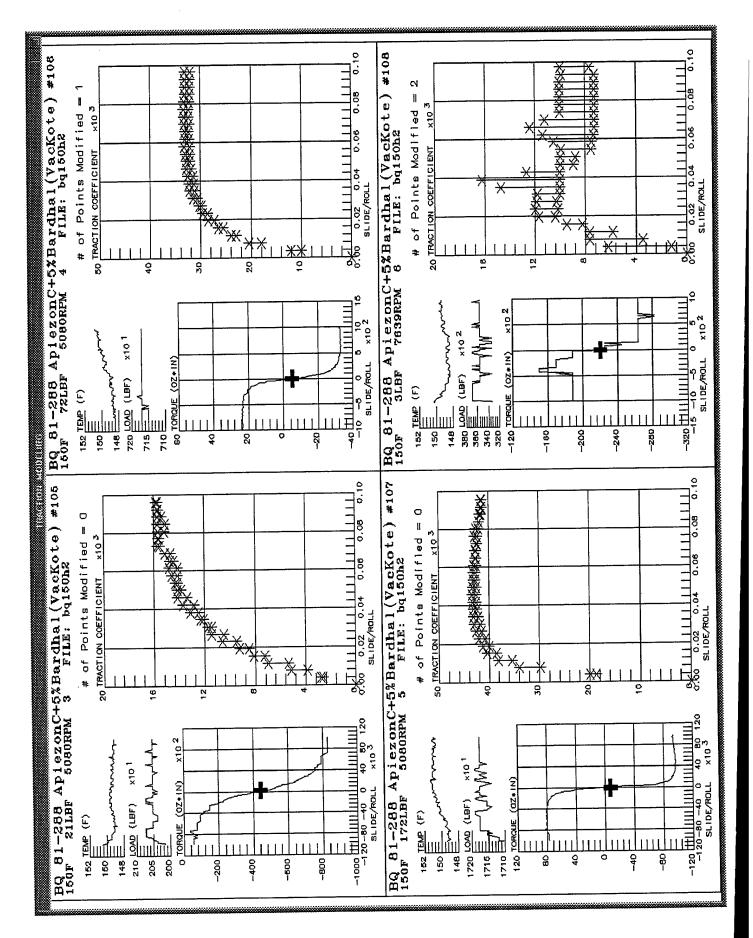


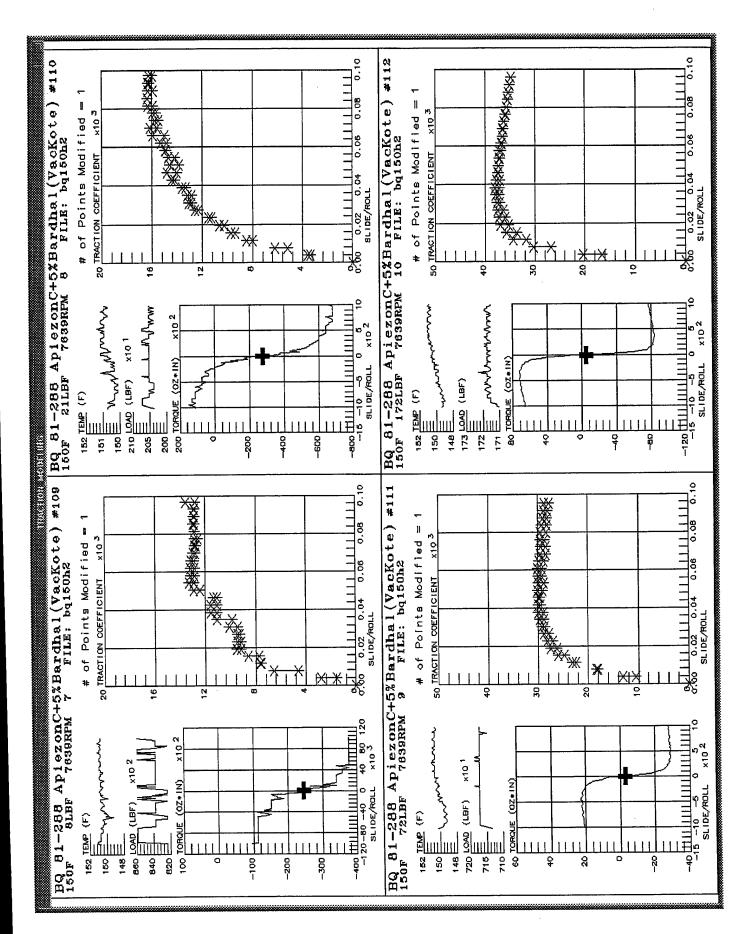


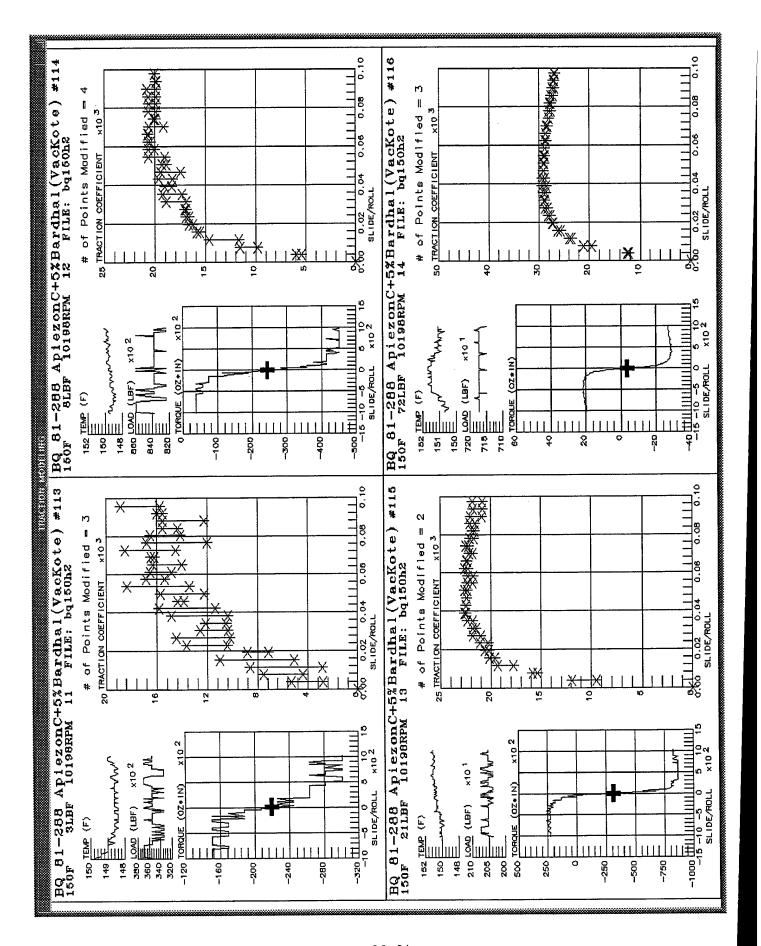


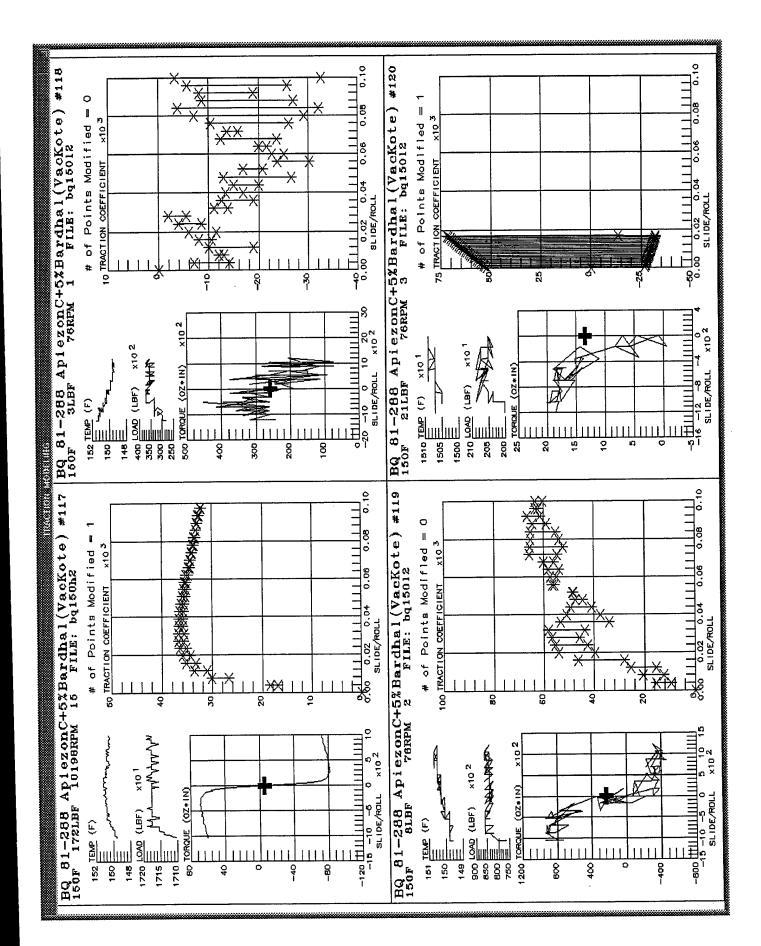


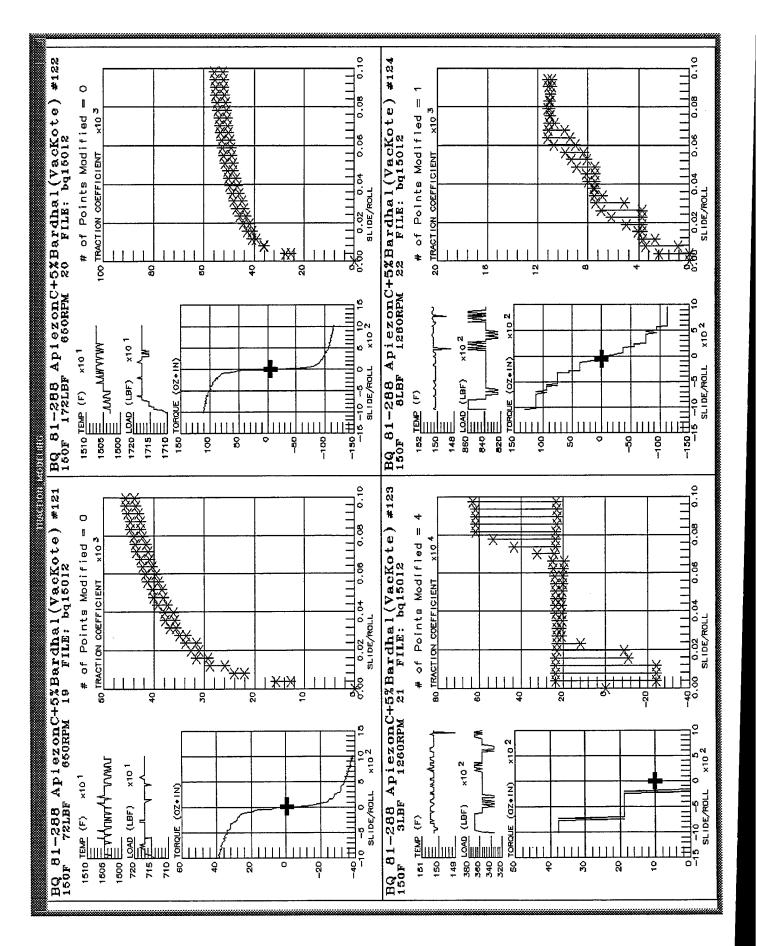


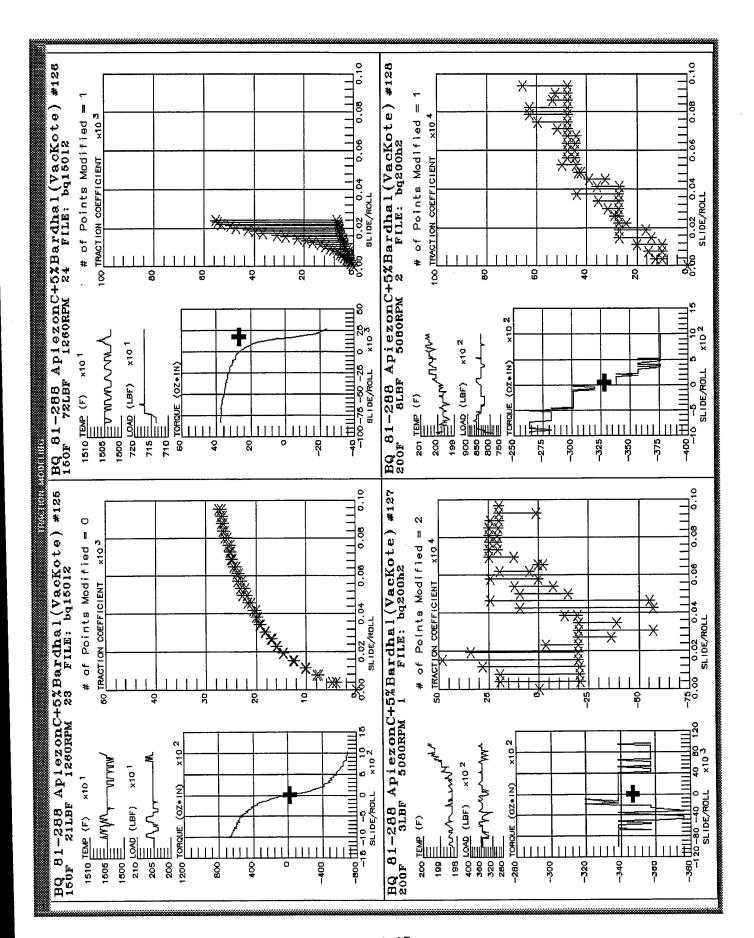


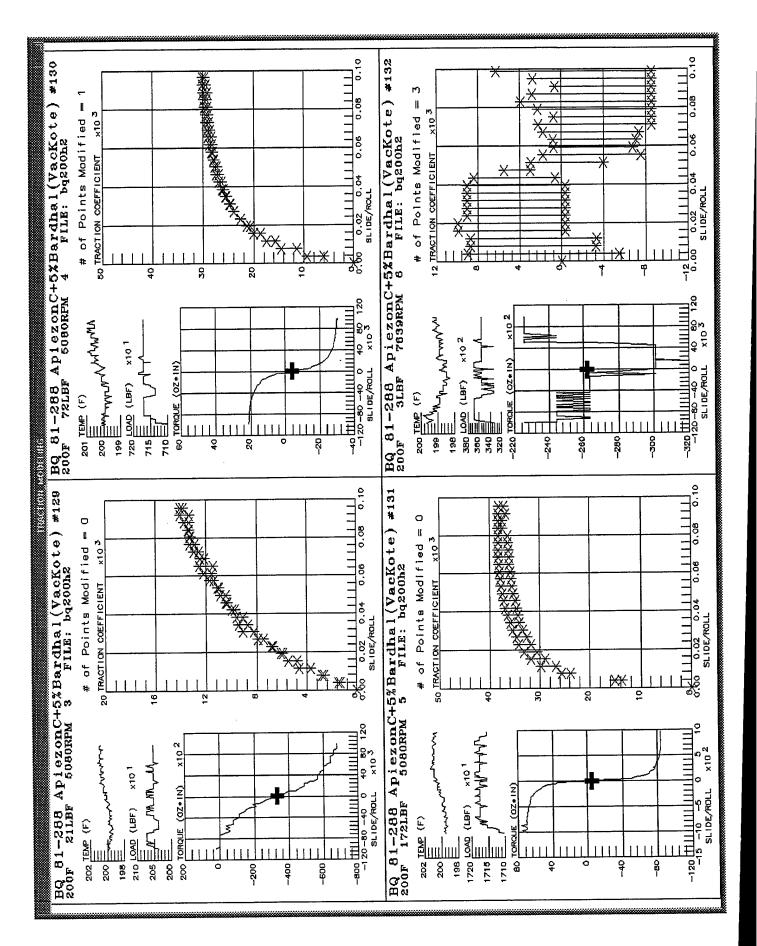


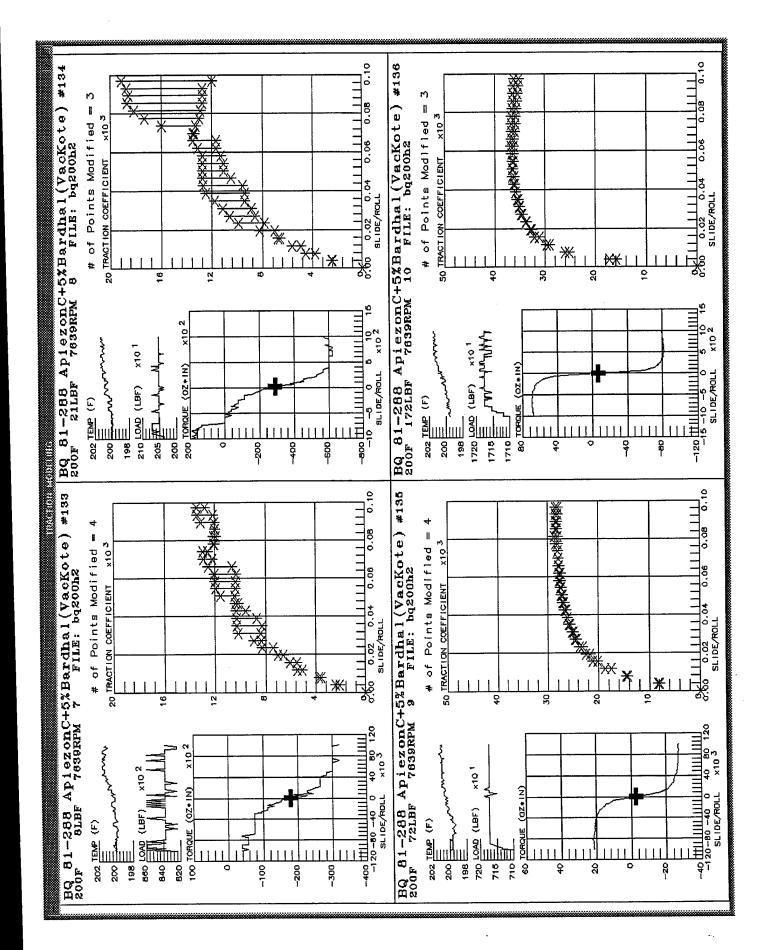


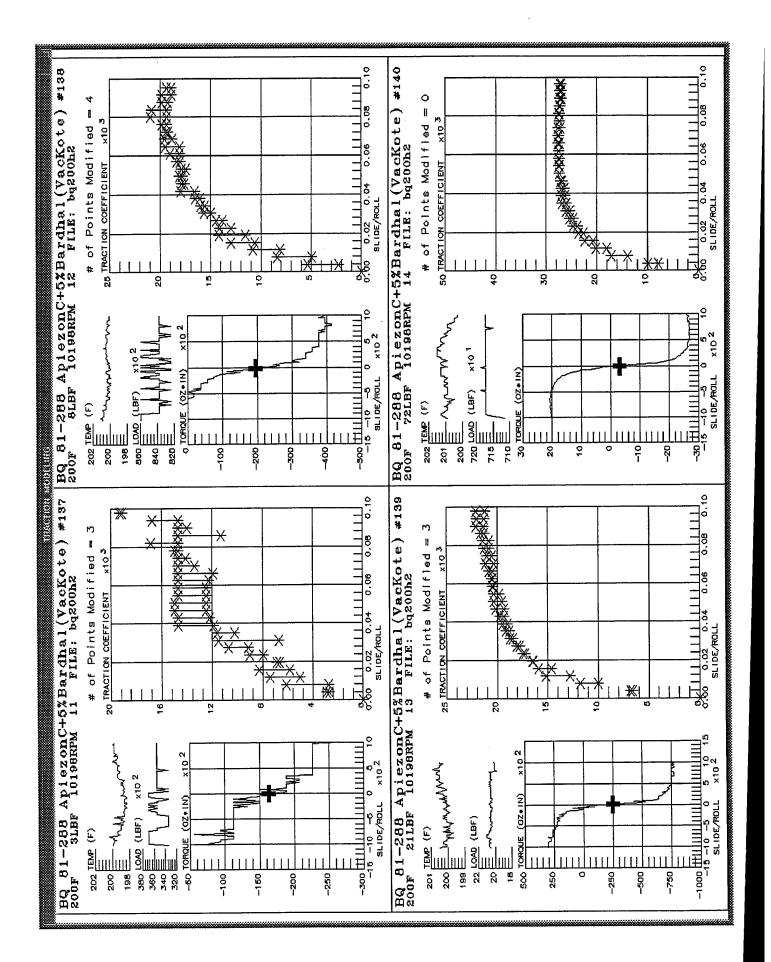


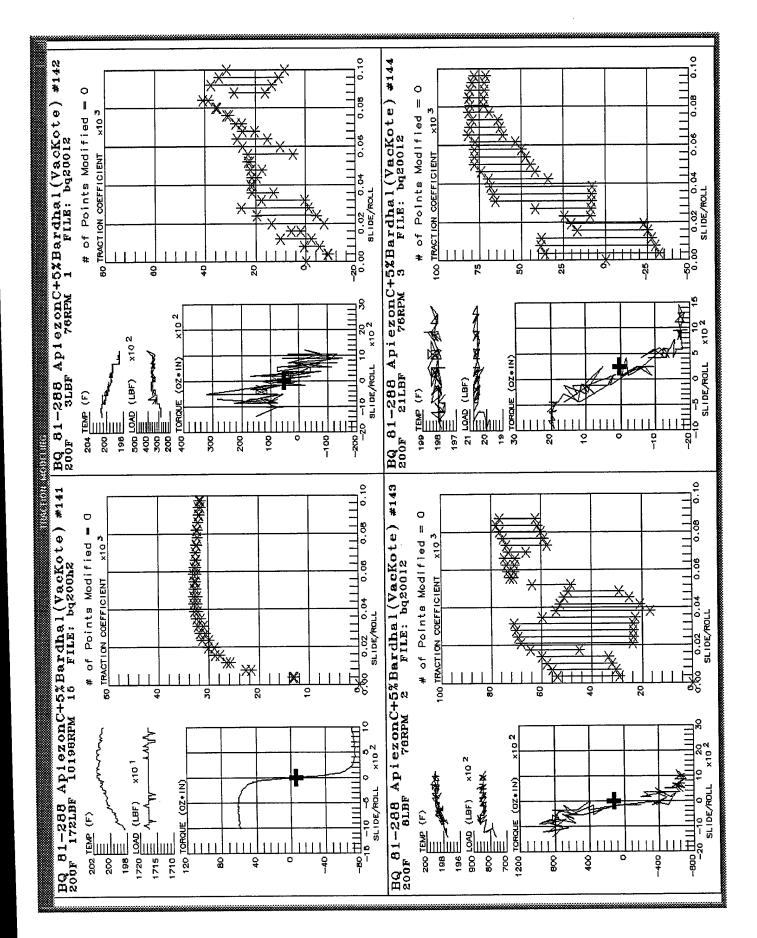


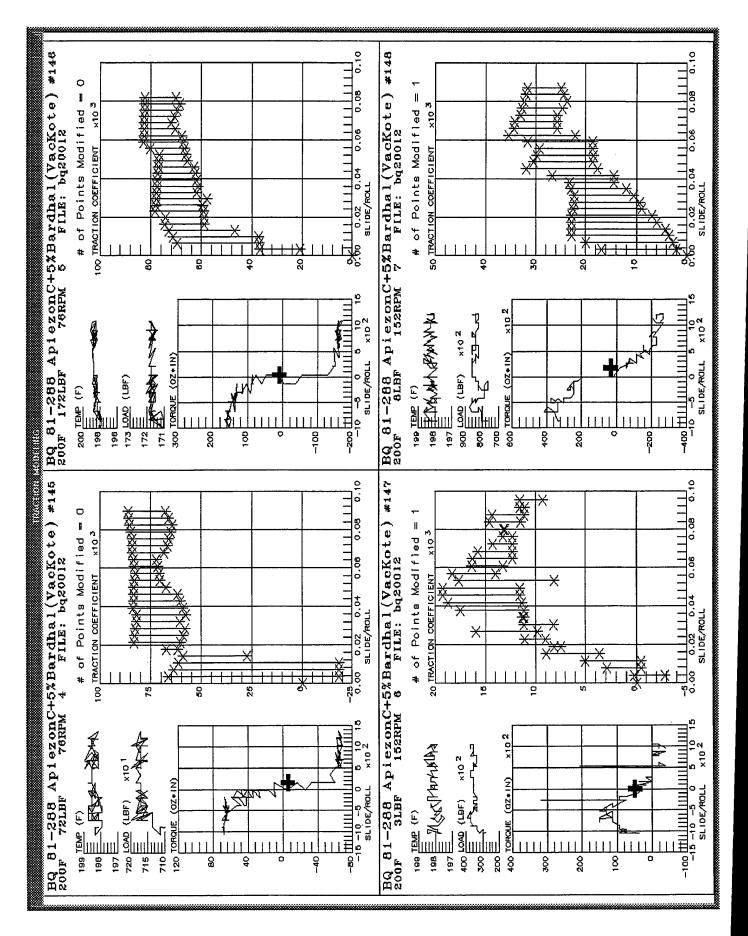


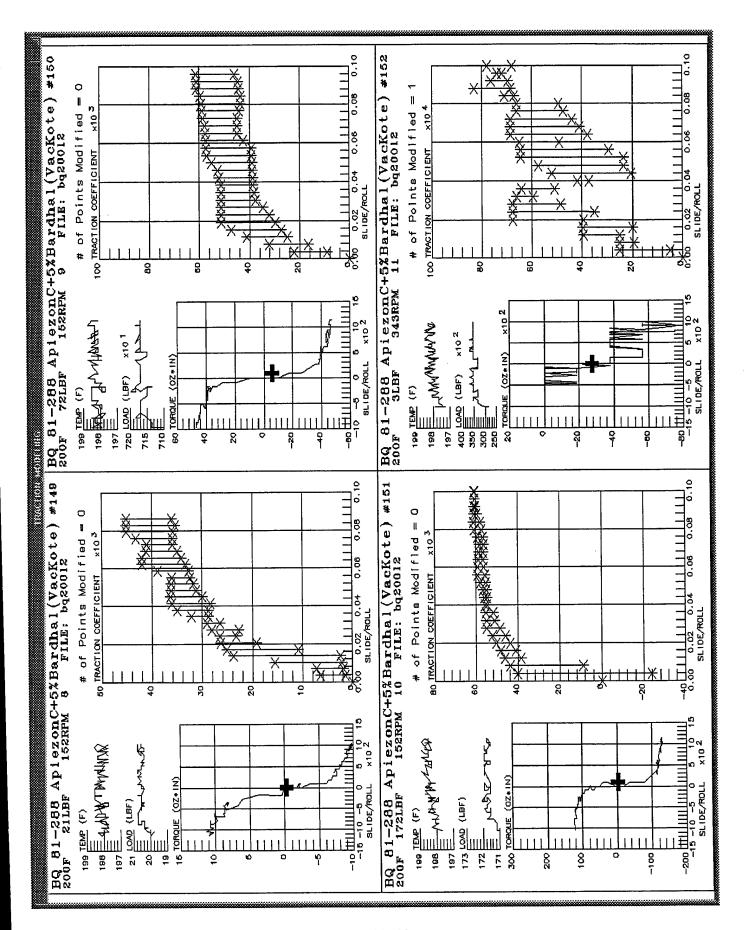


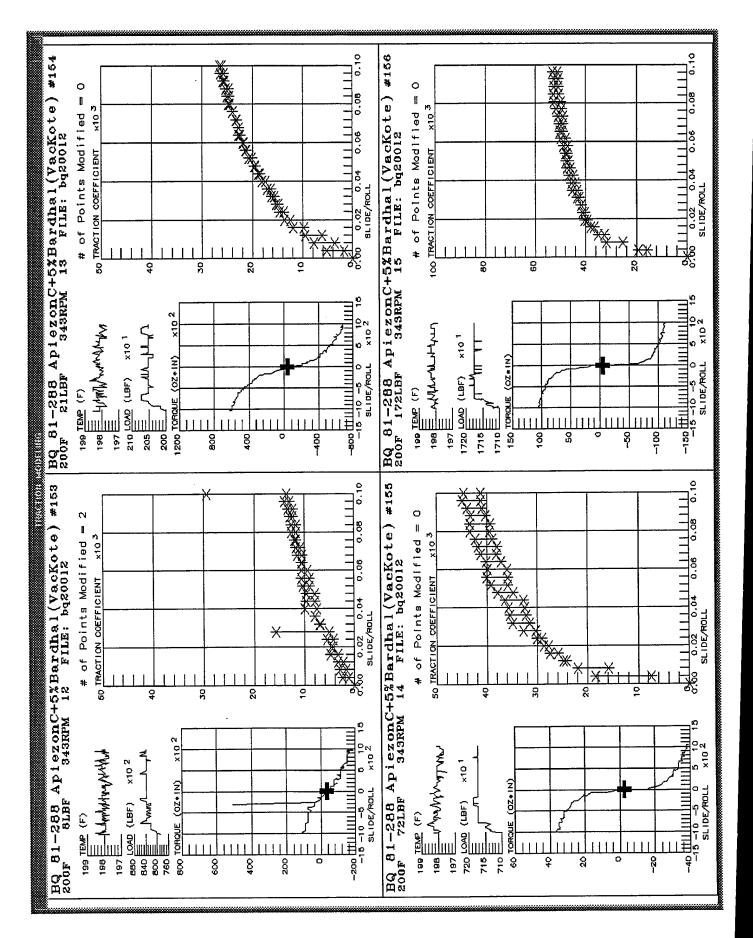


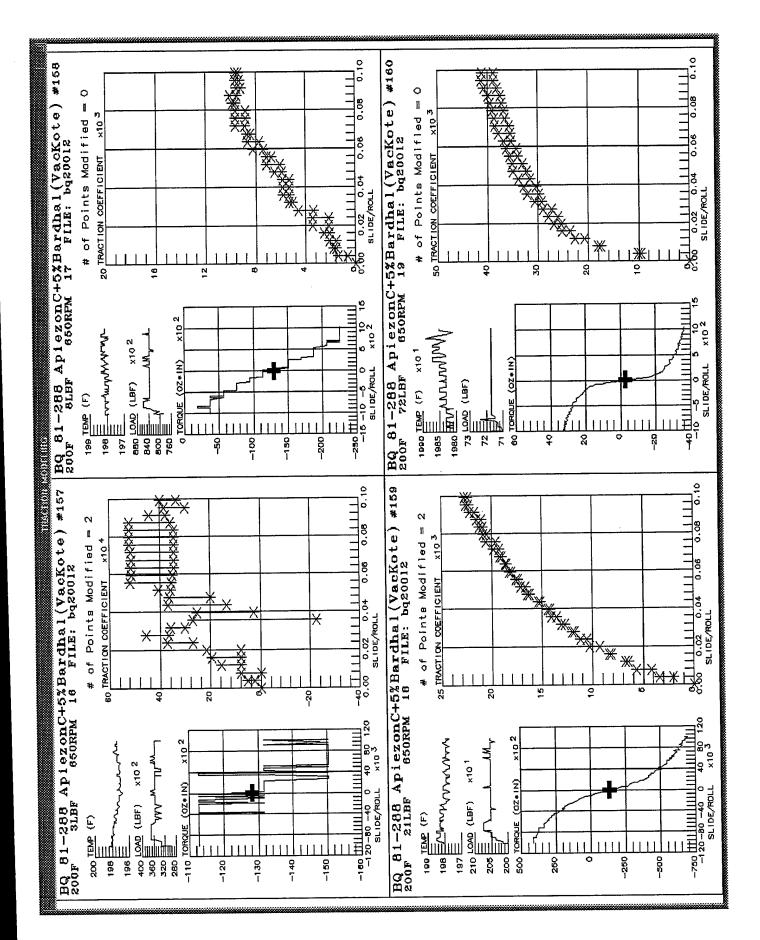


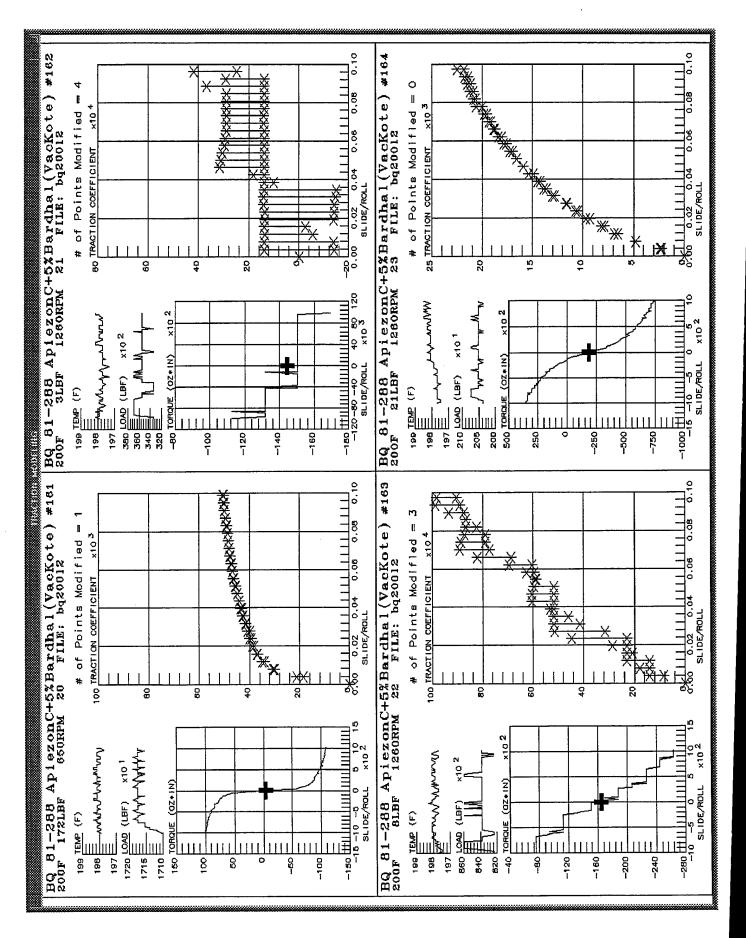


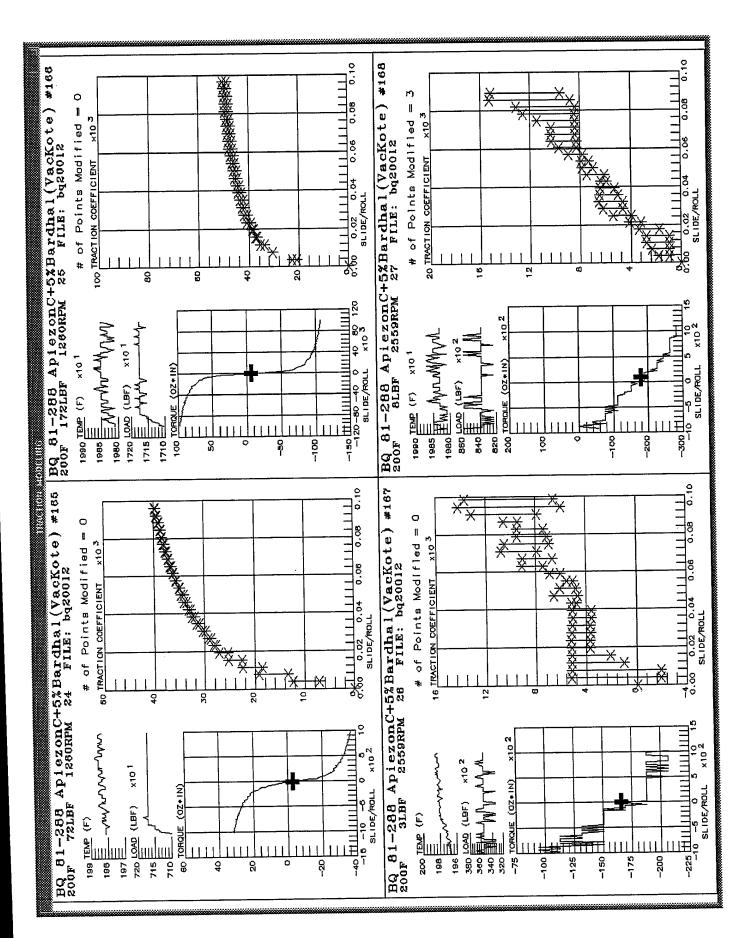


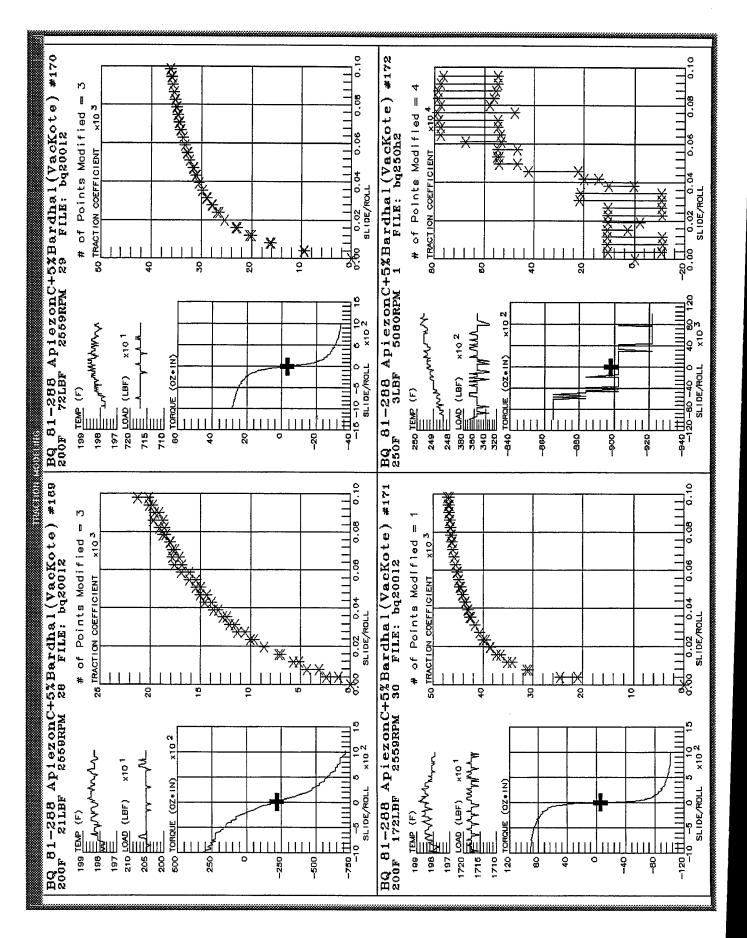


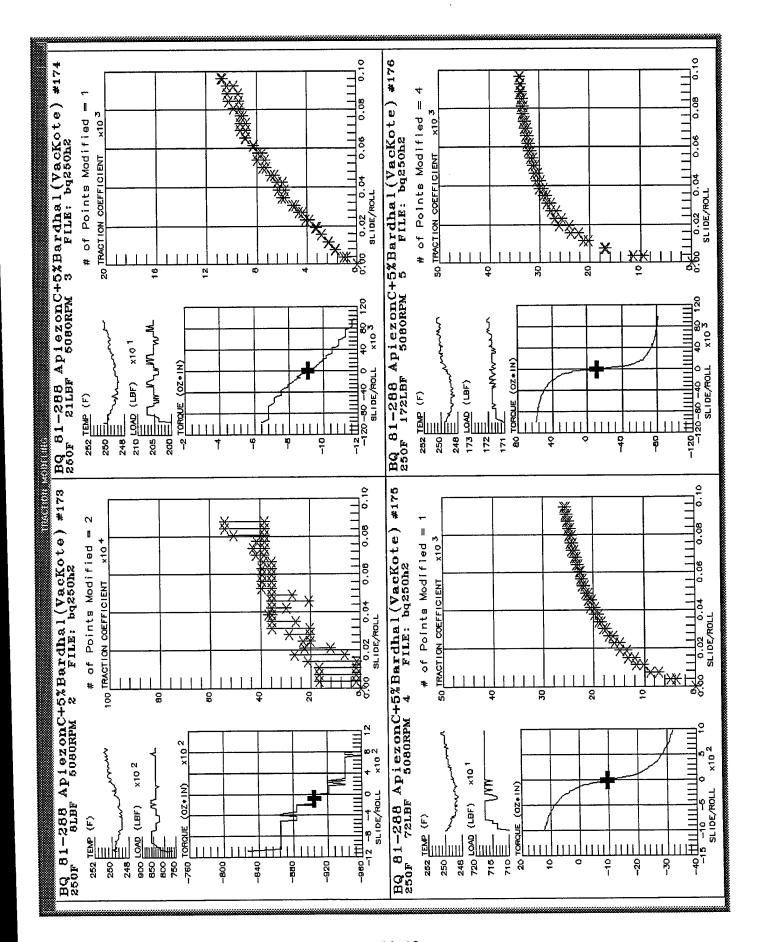


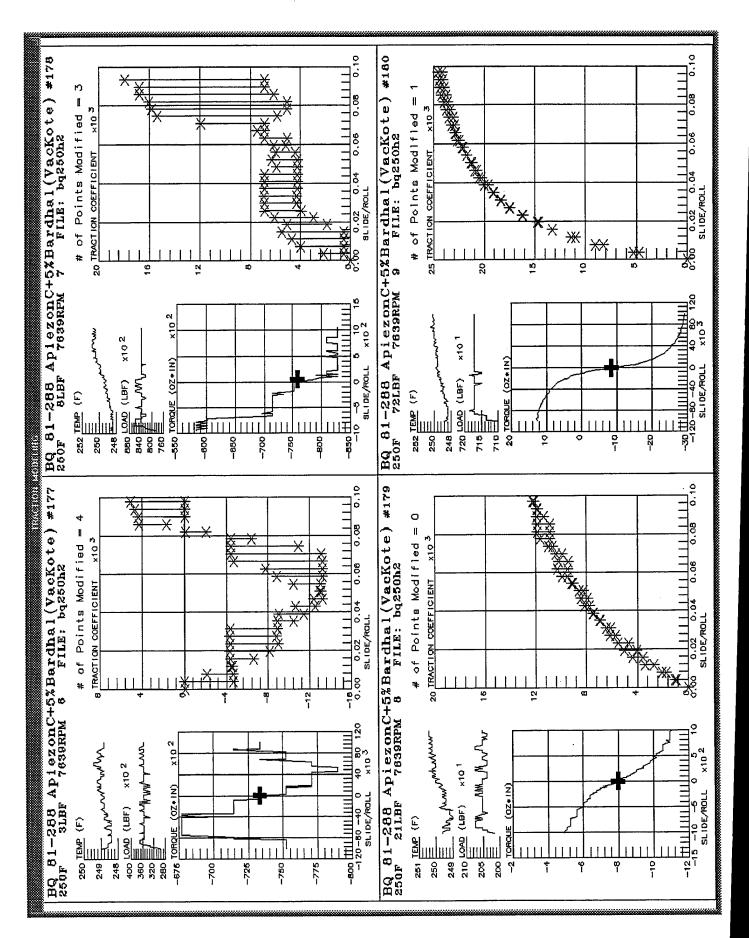


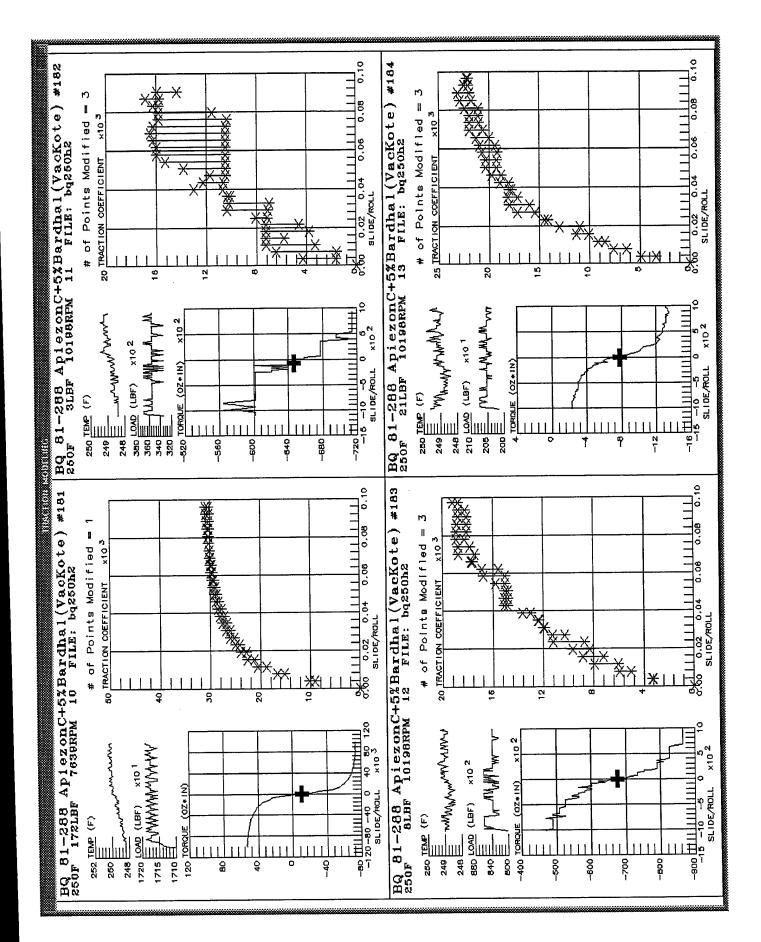


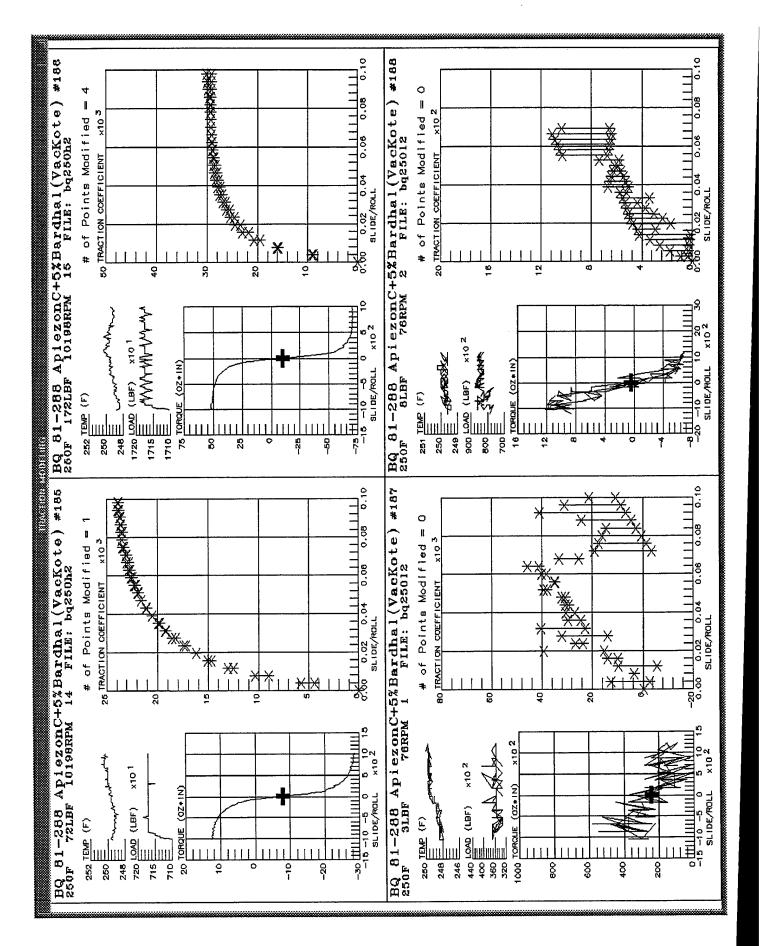


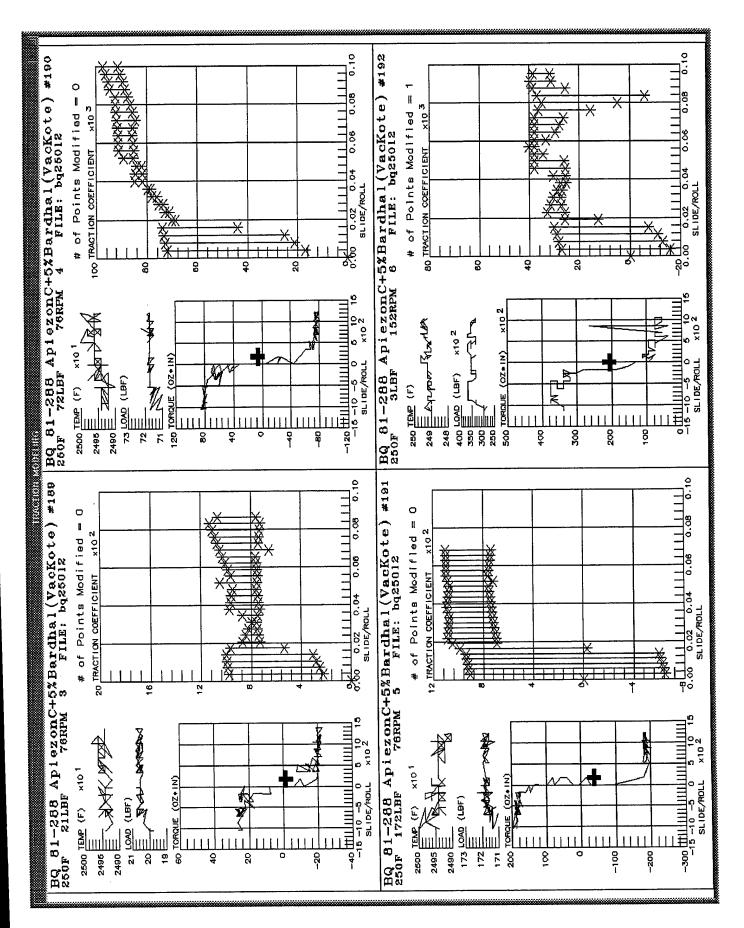


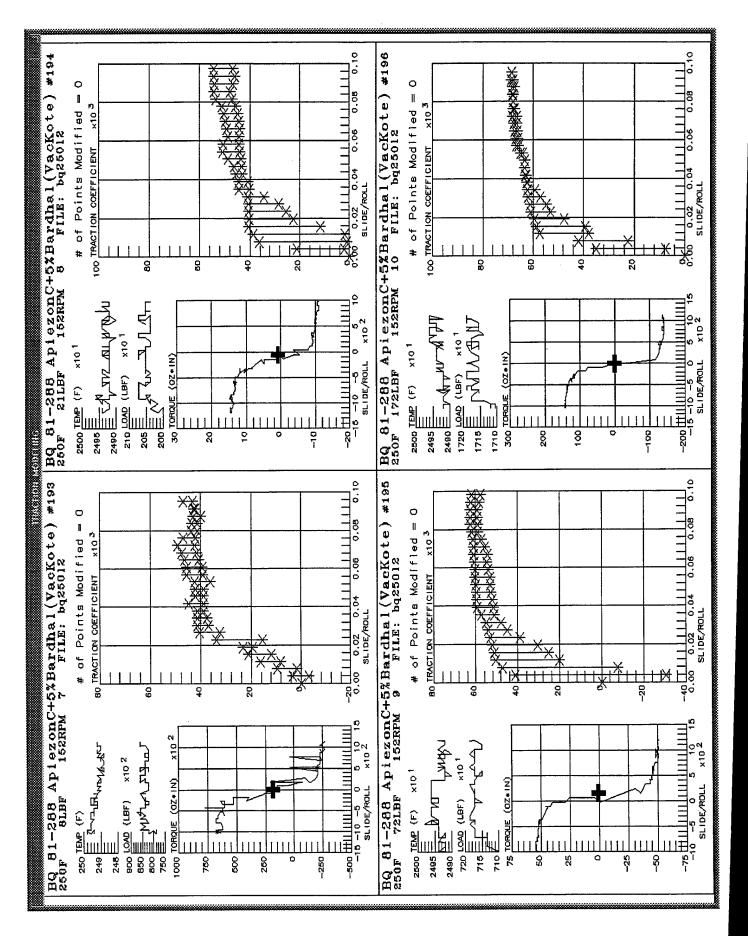


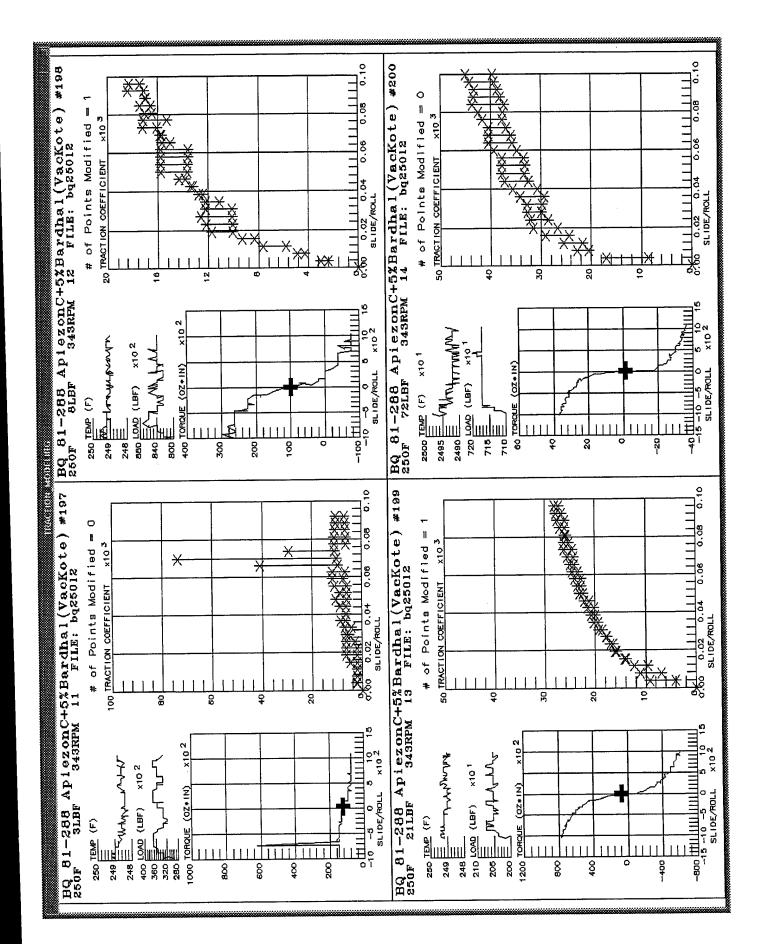


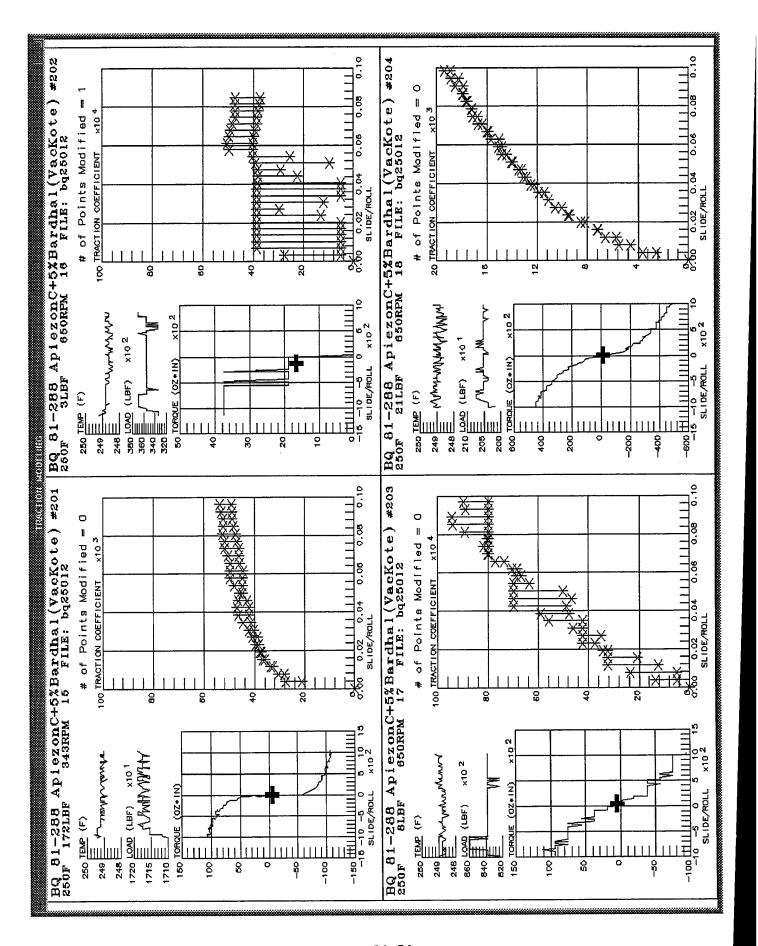


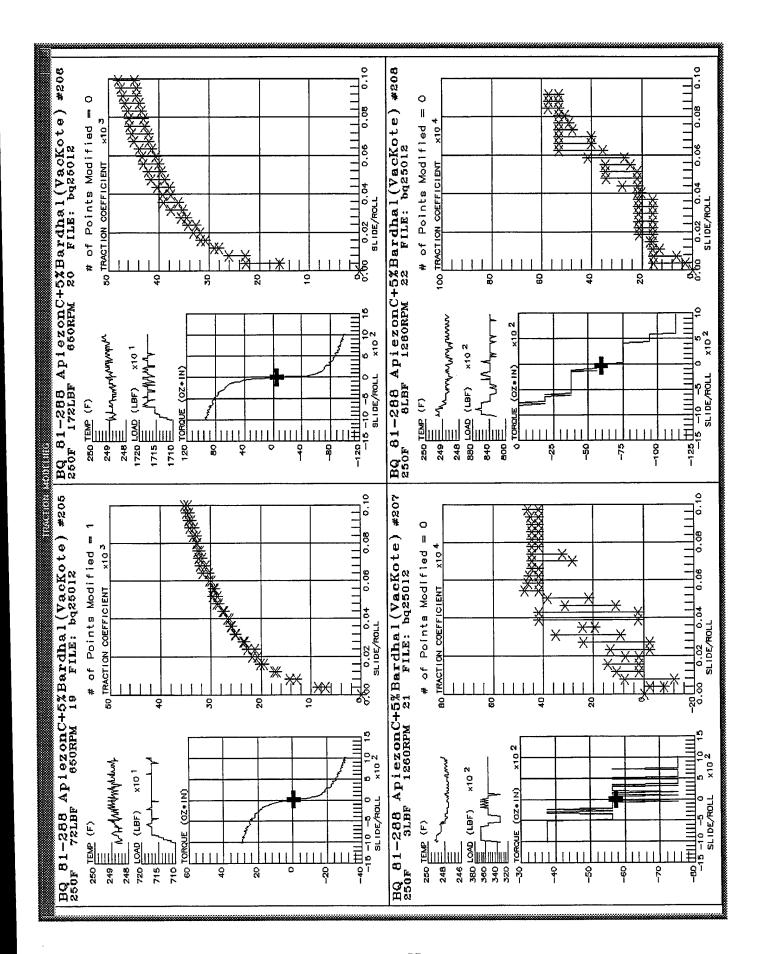


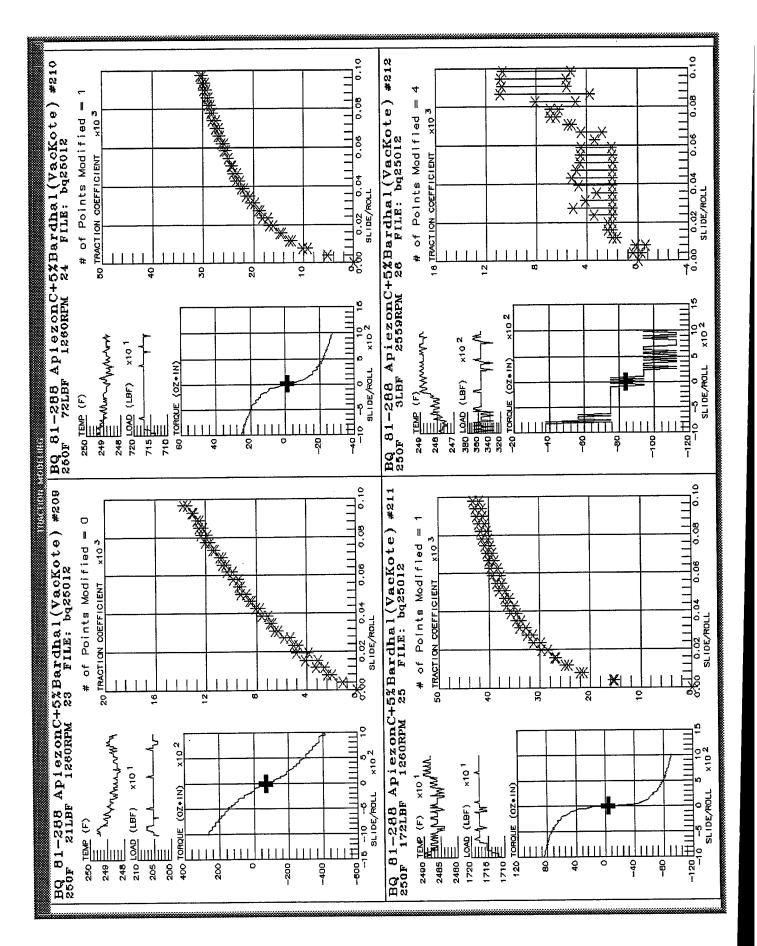


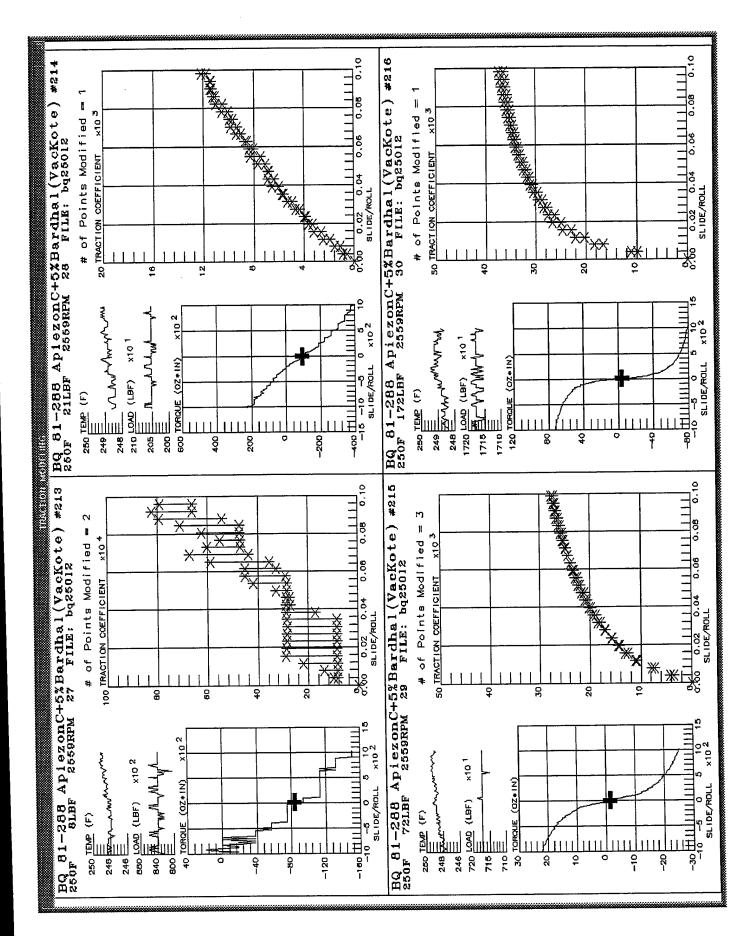


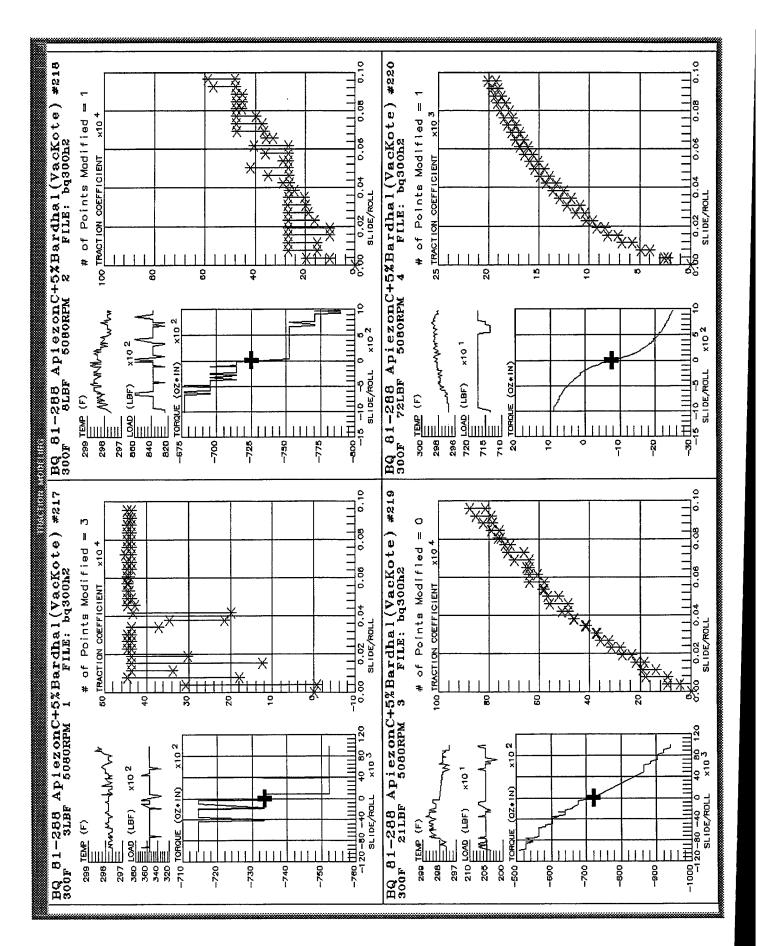


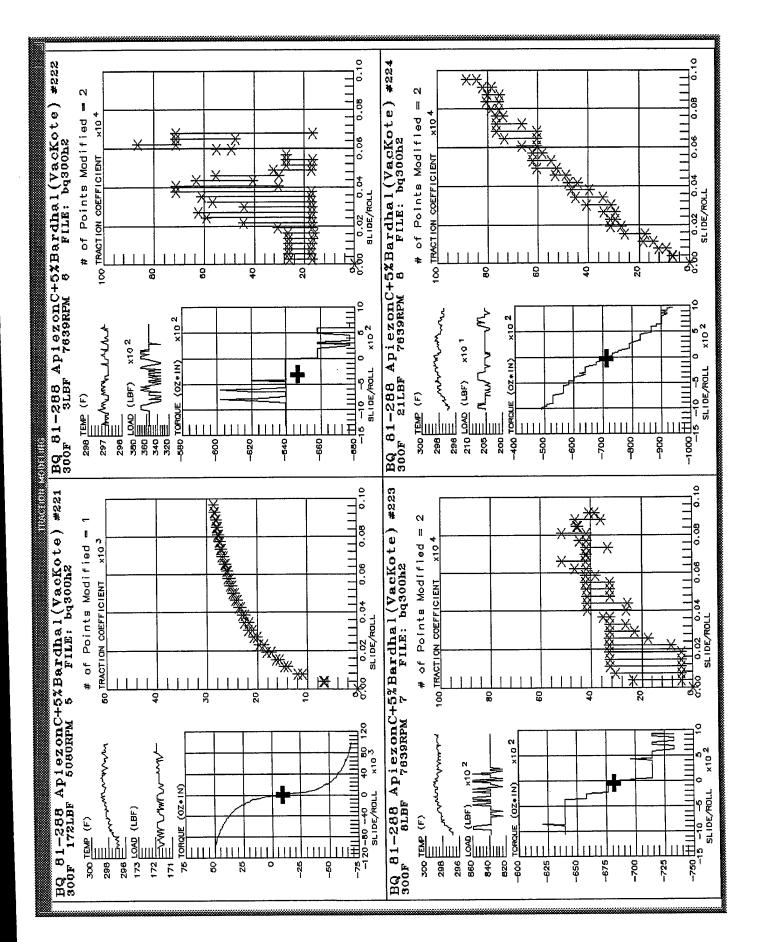


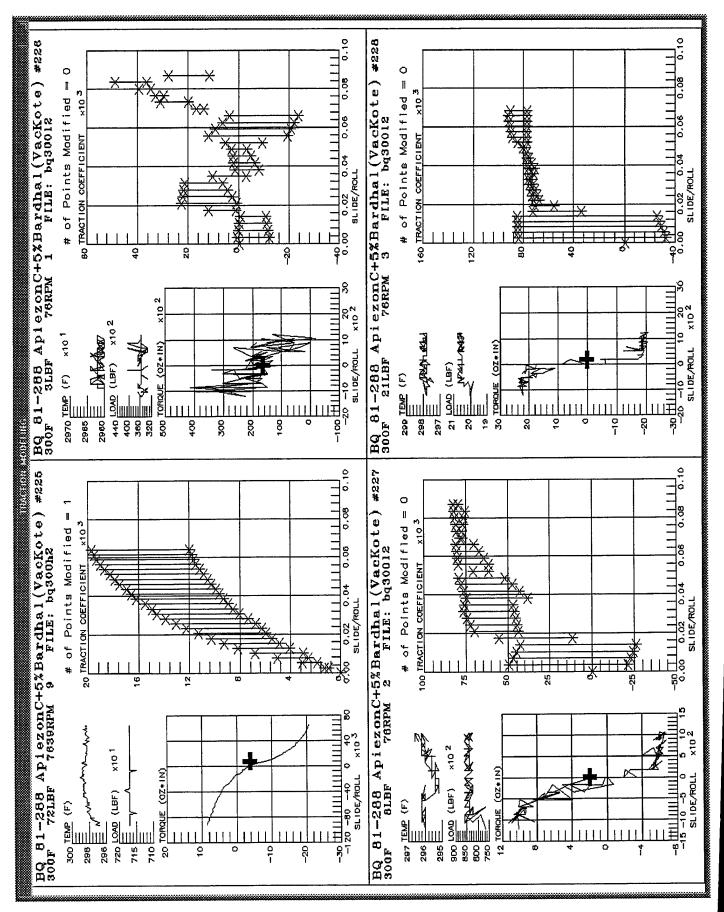


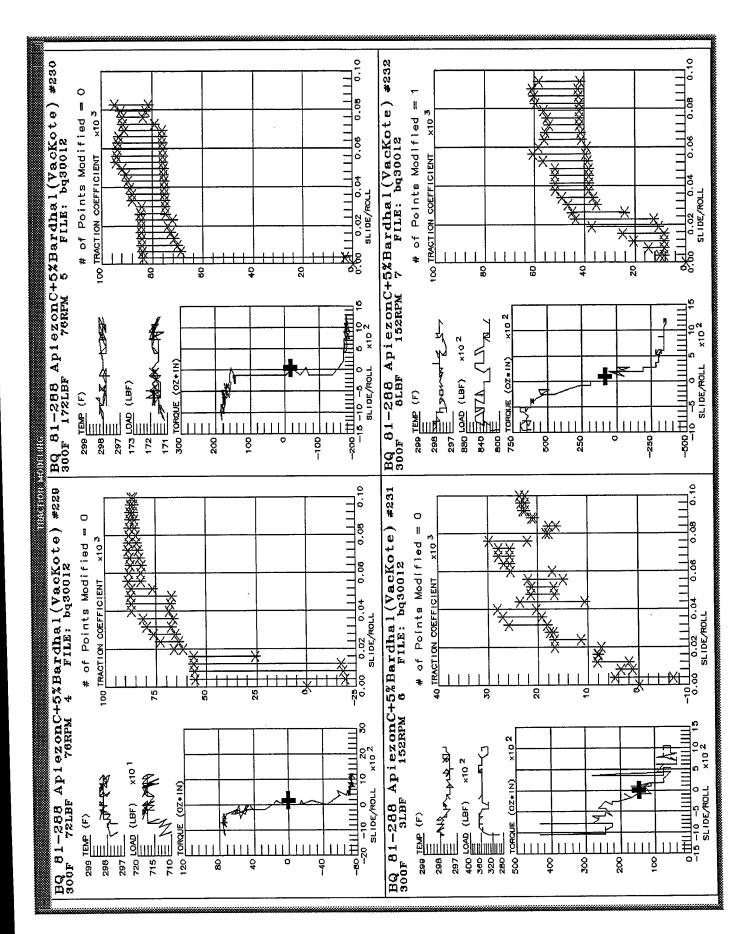


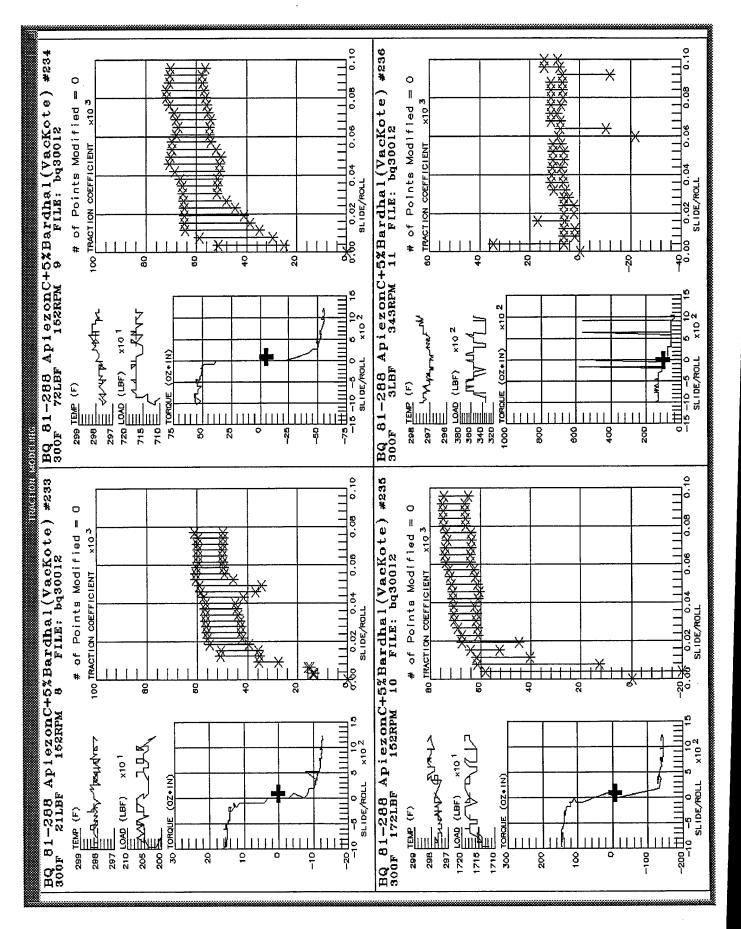


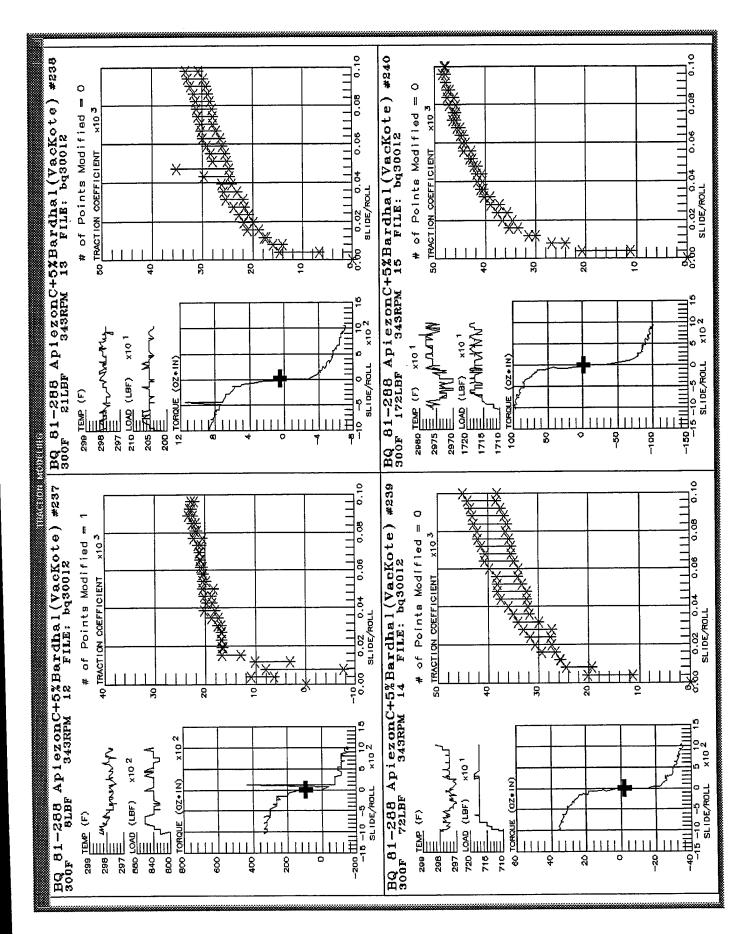


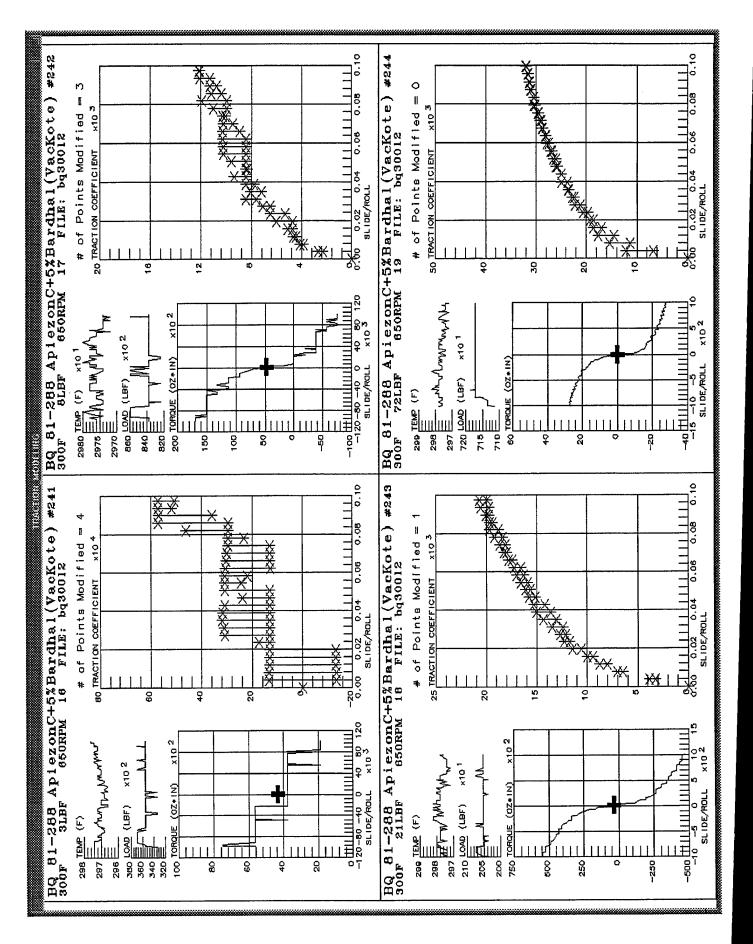


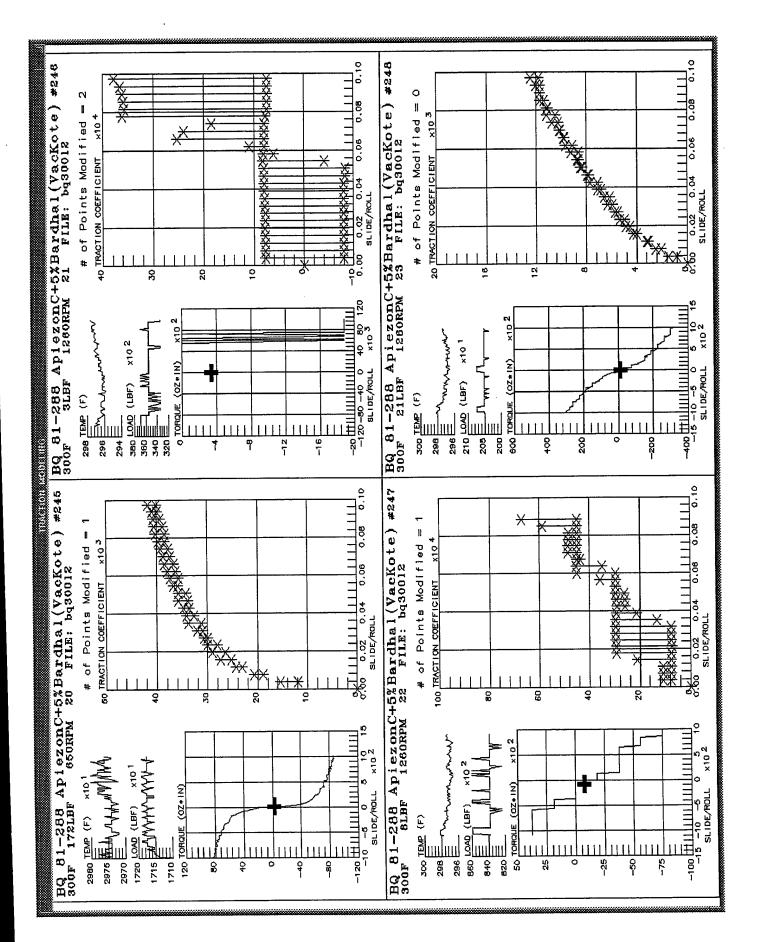


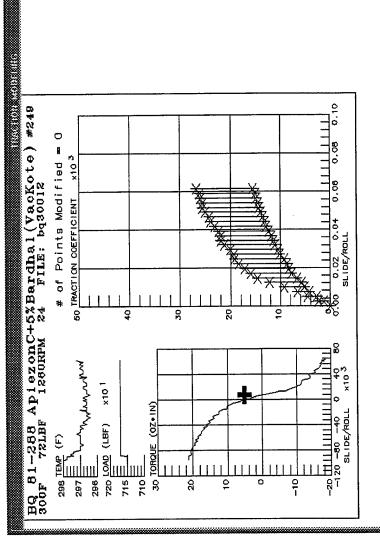






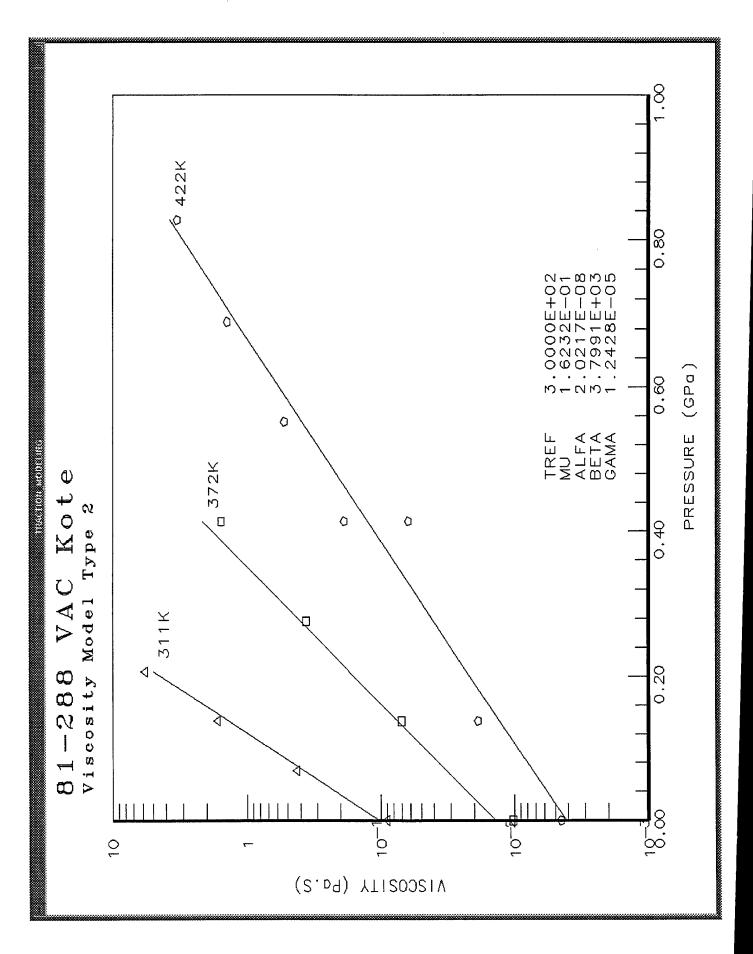


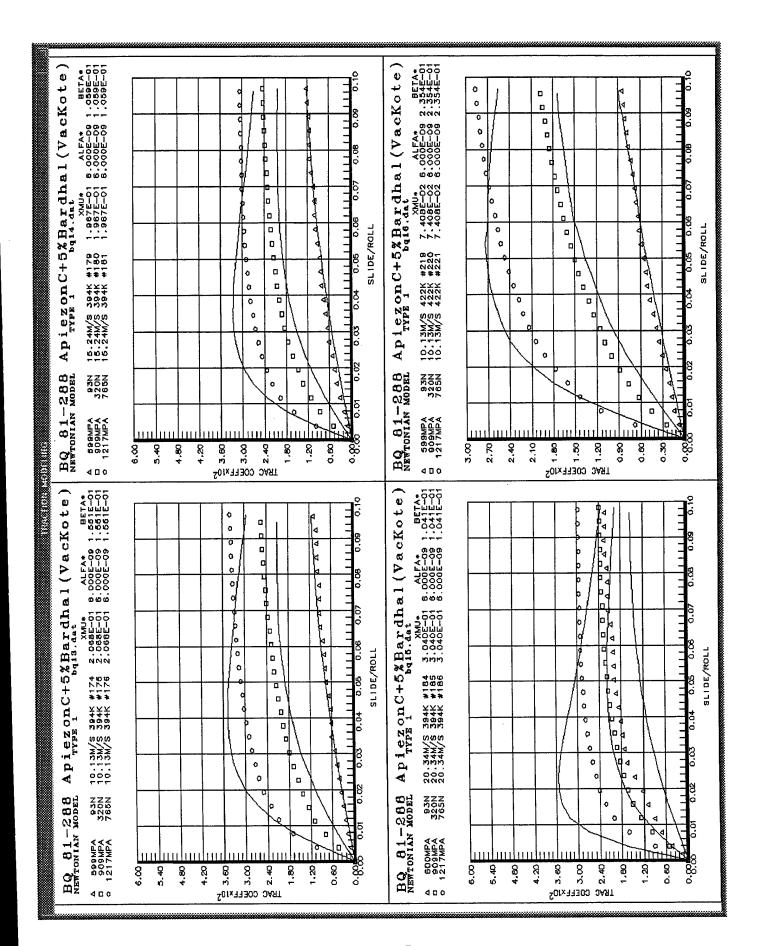


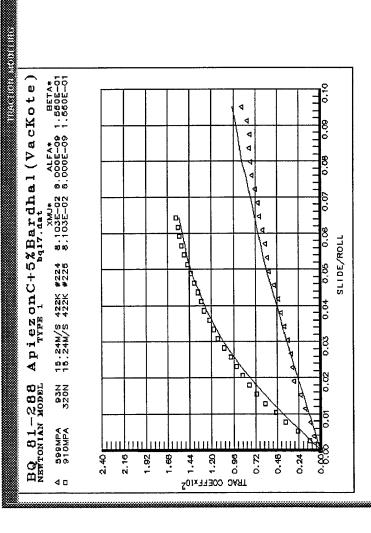


Lubricant name = BQ 81-288 ApiezonC+5%Bardhal(VacKote)

NEWTONIAN	MODEL	TY	PE 1			
Dataset Name		Inlet Temp	Roll Velocity	XMU*	ALFA*	BETA*
reame		(K)	(M/S)	(Pa.S)	(1/Pa)	(1/K)
bq1.dat	3.000		1.0134E+01	2.2331E+00	6.0000E-09	4.5895E-02
bq2.dat	3.000		1.5239E+01	1.3450E+00	6.0000E-09	3.9419E-02
bq3.dat	3.000		2.0344E+01	1.6764E+00	6.0000E-09	4.2466E-02
bq4.dat	3.111		1.0134E+01	1.8310E+00	6.0000E-09	5.1299E-02
bq5.dat	3.111	1E+02	1.5239E+01	1.5317E+00	6.0000E-09	4.2507E-02
bg6.dat	3.111	1E+02	2.0344E+01	1.6084E+00	6.0000E-09	4.7823E-02
bq7.dat	3.388	9E+02	1.0134E+01	1.1687E+00	6.0000E-09	7.1693E-02
bq8.dat	3.388	9E+02	1.5239E+01	9.9167E-01	6.0000E-09	5.8403E-02
bq9.dat	3.388	9E+02	2.0344E+01	1.2157E+00	6.0000E-09	5.6433E-02
bq10.dat	3.666	7E+02	1.0134E+01	5.3986E-01	6.0000E-09	1.1356E-01
bq11.dat		7E+02	1.5239E+01	4.8718E-01	6.0000E-09	7.1228E-02
bq12.dat		7E+02	2.0344E+01	6.3070E-01	6.0000E-09	7.2406E-02
bq13.dat	3.944	4E+02	1.0134E+01	2.0677E-01	6.0000E-09	1.5511E-01
bq14.dat	3.944	4E+02	1.5239E+01	1.9667E-01	6.0000E-09	1.0585E-01
bq15.dat	3.944	4E+02	2.0344E+01	3.0396E-01	6.0000E-09	1.0410E-01
bq16.dat	4.222	2E+02	1.0134E+01	7.4079E-02	6.0000E-09	2.3535E-01
bg17.dat		2E+02	1.5239E+01	8.1026E-02	6.0000E-09	1.5502E-01







11. Traction Data Set J: 90-715 Hatcol 3110

co 90-715 ~220 Hatcol 3110

Data set name:
Rolling radii [Disks 1 & 2] (in):
Crown radii [Disks 1 & 2] (in): 0.75 0.70 0.75 0.68

Number of data sets found = 258

	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	C Load1	alibra Load2	tion F Rpm1	actors Rpm2	Torq	SqDev	Dataset/Test #
4	80.00	8.30	290.00	322.00	306.00	30	0.71	1,49	1.00	1.00	1.00	1.87E-03	co80vl #1
1 2	80.00	19.68	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	1.52E-03	co80vl #2
3	80.00	38.44	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	1.16E-03	co80vl #3
4	80.00	66.43	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	7.80E-03	co80vl #4
5	80.00	8.30	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	2.28E-04	co80vl #5
6	80.00	19.68	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	2.26E-03	co80vl #6
7	80.00	38.44	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	2.00E-03	co80vl #7
8	80.00	66.43	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	2.28E-04	co80vl #8
9	80.00	8.30	1200.00	1328.00	1264.00	30	0.71	1.49	1.00	1.00	1.00	8.10E-05	co80vl #9
10	80.00	19.68	1200.00	1328.00	1264.00	30	0.71	1.49	1.00	1.00	1.00	1.92E-04	co80vl #10
11	80.00	38.44	1200.00	1328.00	1264.00	30	0.71	1.49	1.00	1.00	1.00	3.45E-04	co80vl #11
12	80.00	66.43	1200.00	1328.00	1264.00	30	0.71	1.49	1.00	1.00	1.00	6.24E-04	co80vl #12
13	80.00	8.30	2435.00	2696.00	2565.50	30	0.71	1.49	1.00	1.00	1.00	8.08E-03	co80vl #13
14	80.00	19.68	2435.00	2696.00	2565.50	30	0.71	1.49	1.00	1.00	1.00	4.32E-04	co80vl #14
15	80.00	38.44	2435.00	2696.00	2565.50	30	0.71	1.49	1.00	1.00	1.00	7.87E-04	co80vl #15
16	80.00	66.43	2435.00	2696.00	2565.50	30	0.71	1.49	1.00	1.00	1.00	5.90E-04	co80vl #16
17	80.00	8.30	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	1.02E-02	co80med #1
18	80.00	19.68	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	2.97E-03	co80med #2
19	80.00	38.44	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	1.26E-03	co80med #3
20	80.00	66.43	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	2.41E-04	co80med #4
21	80.00	8.30	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	9.63E-04	co80med #5
22	80.00	19.68	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	5.91E-04	co80med #6
23	80.00	38.44	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	6.39E-04	co80med #7
24	80.00	66.43	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	1.02E-03	co80med #8
25	80.00	8.30	1200.00	1328.00	1264.00	30	0.71	1.49	1.00	1.00	1.00	4.11E-04	co80med #9
26	80.00	19.68	1200.00	1328.00	1264.00	30	0.71	1.49	1.00	1.00	1.00	1.31E-04	co80med #10
27	80.00	38.44	1200.00	1328.00	1264.00	30	0.71	1.49	1.00	1.00	1.00	7.87E-05	co80med #11
28	80.00	66.43	1200.00	1328.00	1264.00	30	0.71	1.49	1.00	1.00	1.00	1.47E-04	co80med #12
29	80.00	8.30	2435.00	2700.00	2567.50	30	0.71	1.49	1.00	1.00	1.00	1.23E-03	co80med #13
30	80.00	19.68	2435.00	2700.00	2567.50	30	0.71	1.49	1.00	1.00	1.00	3.45E-04	co80med #14
31	80.00	38.44	2435.00	2700.00	2567.50	30	0.71	1.49	1.00	1.00	1.00	6.08E-04	co80med #15
32	80.00	66.43	2435.00	2700.00	2567.50	30	0.71	1.49	1.00	1.00	1.00	2.67E-04	co80med #16
33	80.00	8.30	4842.00	5352.00	5097.00	50	0.71	1.49	1.00	1.00	1.00	1.99E-03	co80vh #1
34	80.00	19.68	4842.00	5352.00	5097.00	50	0.71	1.49	1.00	1.00	1.00	4.32E-04	co80vh #2 co80vh #3
35	80.00	38.44	4842.00	5352.00	5097.00	50	0.71	1.49	1.00	1.00	1.00	1.02E-03 2.58E-05	co80vh #4
36	80.00	66.43	4842.00	5352.00	5097.00	50	0.71	1.49	1.00	1.00	1.00 1.00	1.21E-03	co80vh #5
37	80.00	8.30	7280.00	8050.00	7665.00	50	0.71	1.49	1.00	1.00 1.00	1.00	1.64E-04	co80vh #6
38	80.00	19.68	7280.00	8050.00	7665.00	50	0.71	1.49	1.00	1.00	1.00	1.18E-04	co80vh #7
39	80.00	38.44	7280.00	8050.00	7665.00	50	0.71	1.49	1.00	1.00	1.00	1.68E-04	co80vh #8
40	80.00	66.43	7280.00	8050.00	7665.00	50	0.71	1.49	1.00	1.00	1.00	8.60E-03	co80vh #9
41	80.00	8.30	9700.00	10750.00	10225.00	50	0.71	1.49	1.00	1.00	1.00	4.83E-04	co80vh #10
42	80.00	19.68	9700.00	10750.00	10225.00	50	0.71	1.49	1.00		1.00	5.39E-04	co80vh #11
43	80.00	38.44	9700.00	10750.00	10225.00	50	0.71	1.49	1.00	1.00	1.00	1.03E-04	co80vh #12
44	80.00	66.43	9700.00	10750.00	10225.00	50	0.71	1.49	1.00	1.00	1.00	9.97E-04	co100vl #1
45	100.00	8.30	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	2.06E-04	co100vl #2
46	100.00	19.68	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	1.27E-03	co100vl #3
47	100.00	38.44	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	9.88E-04	co100vl #4
48	100.00	66.43	290.00	322.00	306.00	30	0.71 0.71	1.49	1.00	1.00	1.00	1.15E-03	co100vl #5
49	100.00	8.30	618.00	684.00	651.00	30		1.49	1.00	1.00	1.00	1.14E-03	co100vl #6
50	100.00	19.68	618.00	684.00	651.00	30	0.71	1.47	1.00			,,,,,,	

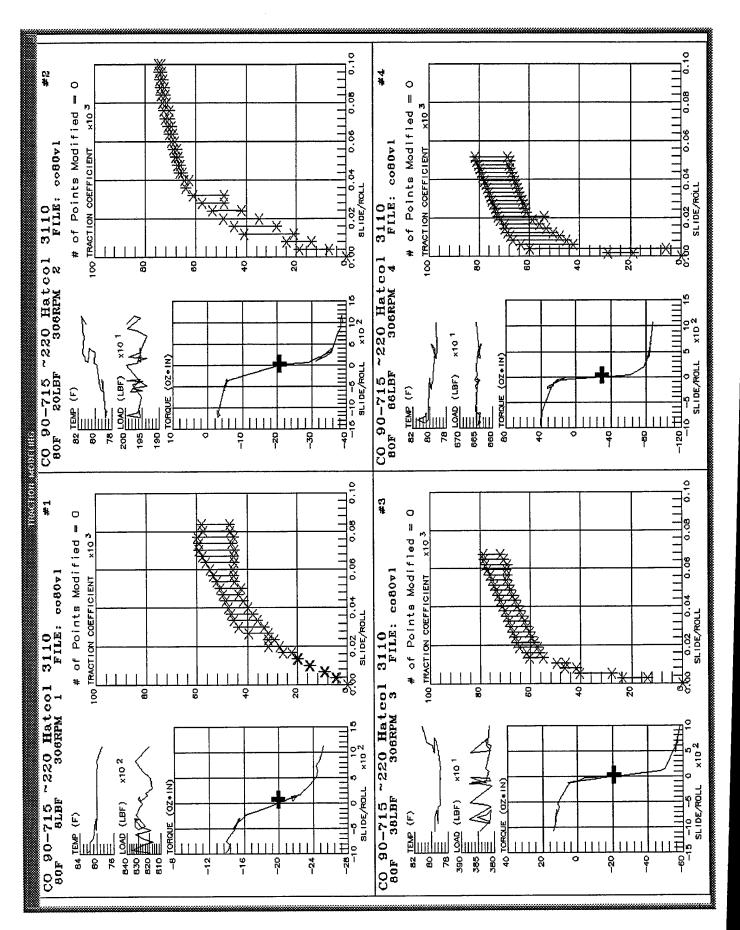
13 100.00 38.44 200.00 252.00 300.00 271 1.49 1.00 1		Temp F	Load lbf	Rpm1	Rpm2	RollRpm			alibrat Load2		actors. Rpm2	 Torq	SqDev	Dataset/Test #
\$2 100.00 66.43 \$40.00 1322.00 1322.00 30.00 \$71 1.49 1.00 1.00 1.00 1.00 1.04 1.04 1.05 1.00 1.05 1.05 1.05 1.05 1.05 1.05	51	100.00	38.44	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00		
55 100.00 19.88 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 1.00 9.71E-05 col100v1 #i1 1	52													
55 100.00 38.44 200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 9.716-5 col00v1 #12 57 100.00 8.30 290.00 322.00 366.00 30 0.71 1.49 1.00 1.00 1.00 1.00 1.30 1.30 1.00 1.00														
57 100.00							30	0.71	1.49	1.00	1.00	1.00		
100.00	56													
100.00 38.44 200.00 2570.00 2555.00 30 0.77 1.49 1.00 1.00 1.00 7.35E-05 co100vtx #15 60 100.00 66.43 200.00 2570.00 2555.00 30 0.77 1.49 1.00 1.00 1.00 7.35E-05 co100vtx #15 61 100.00 8.30 290.00 322.00 336.00 20 0.77 1.49 1.00 1.00 1.00 1.00 7.35E-05 co100vtx #15 62 100.00 38.44 290.00 322.00 336.00 20 0.77 1.49 1.00 1.0														
101						2535.00	30	0.71	1_49	1.00	1.00			co100vlx #15
100.00														
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119 150.00 66.45 120.00 1520.00 120.00 171 4 /0 4 00 4 00 4 00 1 00 0150med #13	118	150.00	38.44	1200.00	1328.00									
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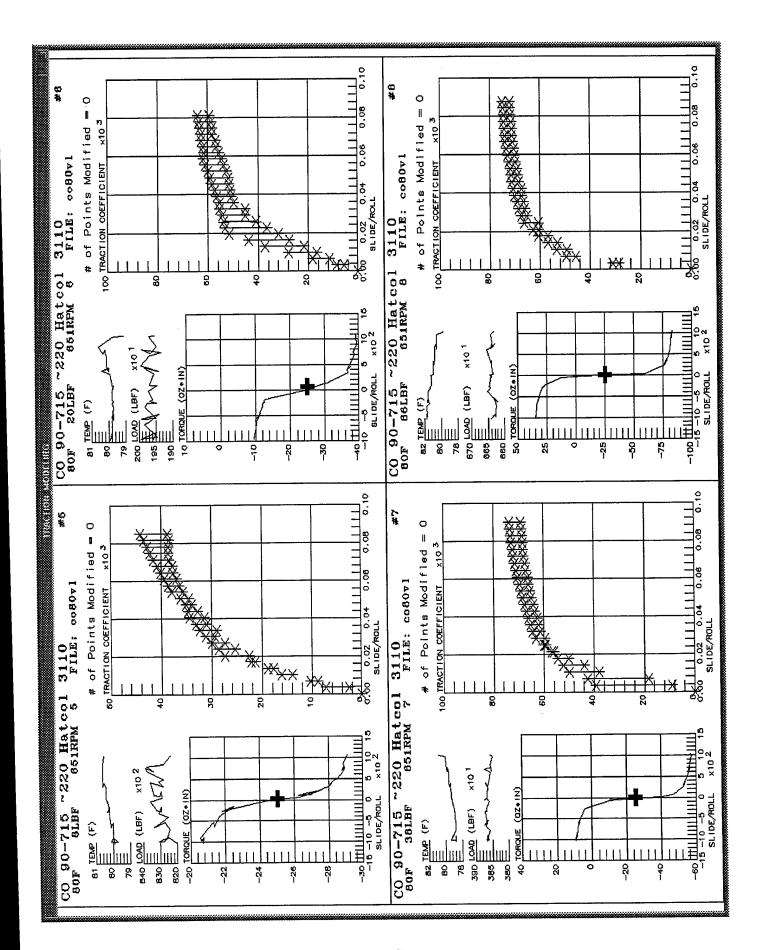
121 150,00 19,68 2425,00 2890,00 2562,05 30 0,71 1.49 1.00 1.00 1.00 2,075-06 col550ned #14 123 150,00 19,68 4842,00 5352,00 5097,00 50 0,71 1.49 1.00 1.00 1.00 1.00 4.8BE-04 col550h #1 125 150,00 66,43 4842,00 5352,00 5097,00 50 0,71 1.49 1.00 1.00 1.00 1.00 6.750 6.1250h #1 125 150,00 66,43 4842,00 5352,00 5097,00 50 0,71 1.49 1.00 1.00 1.00 1.00 1.00 5.750 6.1250h #2 125 150,00 66,43 780,00 8050,00 7665,00 50 0,71 1.49 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0		Temp F	Load lbf	Rpm1	Rpm2	RollRpm		C			actors. Rpm2	 Torq	SqDev	Dataset/Test #
122 150.00 8.30 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 4.88E-64 ce1590 mt 21	121	150.00	19.68	2435.00	2690.00	2562.50	30	0.71	1.49	1.00	1.00	1.00	2.07E-05	co150med #14
125 150, 00 18, 144 4842, 00 5532, 00 5097, 00 50 0,71 1,49 1,00	122	150.00	8.30											
125 150, 00														
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19								0.71	1.49	1.00	1.00	1.00	1.95E-03	
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174 200.00 8.30 618.00 684.00 651.00 30 0.71 1.49 1.00 1.00 1.00 2.76E-04 co200vl #5 175 200.00 19.68 618.00 684.00 651.00 30 0.71 1.49 1.00 1.00 1.00 2.87E-03 co200vl #6 176 200.00 38.44 618.00 684.00 651.00 30 0.71 1.49 1.00 1.00 1.00 9.04E-04 co200vl #7 177 200.00 66.43 618.00 684.00 651.00 30 0.71 1.49 1.00 1.00 1.00 3.04E-04 co200vl #8 178 200.00 8.30 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 1.05E-04 co200vl #9 179 200.00 19.68 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 3.17E-04 co200vl #10 180 200.00 38.44 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 3.17E-04 co200vl #11 181 200.00 66.43 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 7.88E-05 co200vl #11 182 200.00 8.30 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 3.82E-04 co200vl #13 183 200.00 19.68 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 7.59E-05 co200vl #13 184 200.00 38.44 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 7.59E-05 co200vl #15 185 200.00 8.30 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 8.92E-04 co200vl #15 186 200.00 8.30 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 3.13E-04 co200vl #15 187 200.00 19.68 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 3.13E-04 co200vl #16 188 200.00 19.68 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 3.13E-04 co200vl #16	172	200.00	38.44	290.00										
175 200.00 19.68 618.00 684.00 651.00 30 0.71 1.49 1.00 1.00 1.00 2.87E-03 co200vl #6 176 200.00 38.44 618.00 684.00 651.00 30 0.71 1.49 1.00 1.00 1.00 9.04E-04 co200vl #7 177 200.00 66.43 618.00 684.00 651.00 30 0.71 1.49 1.00 1.00 1.00 3.04E-04 co200vl #8 178 200.00 8.30 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 1.00 1.55E-04 co200vl #9 179 200.00 19.68 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 3.17E-04 co200vl #10 180 200.00 38.44 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 7.88E-05 co200vl #11 181 200.00 66.43 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 7.88E-05 co200vl #11 182 200.00 8.30 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 3.82E-04 co200vl #13 183 200.00 19.68 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 7.55E-05 co200vl #13 184 200.00 38.44 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 7.55E-05 co200vl #14 184 200.00 38.44 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 7.55E-05 co200vl #15 185 200.00 8.30 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 8.92E-04 co200vl #16 186 200.00 8.30 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 3.13E-04 co200vl #16 187 200.00 19.68 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 3.13E-04 co200vl #16														
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178 200.00 8.30 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 1.55E-04 co200vl #9 179 200.00 19.68 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 3.17E-04 co200vl #10 180 200.00 38.44 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 7.88E-05 co200vl #11 181 200.00 66.43 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 1.03E-04 co200vl #12 182 200.00 8.30 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 3.82E-04 co200vl #13 183 200.00 19.68 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 7.55E-05 co200vl #14 184 200.00 38.44 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 7.55E-05 co200vl #14 185 200.00 66.43 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 1.79E-04 co200vl #15 185 200.00 66.43 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 2.14E-05 co200vl #16 186 200.00 8.30 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 8.92E-04 co200vh #1 187 200.00 19.68 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 3.13E-04 co200vh #2	176													
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181 200.00 66.43 1200.00 1328.00 1264.00 30 0.71 1.49 1.00 1.00 1.00 1.03E-04 co200vl #12 182 200.00 8.30 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 3.82E-04 co200vl #13 183 200.00 19.68 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 7.55E-05 co200vl #14 184 200.00 38.44 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 1.79E-04 co200vl #15 185 200.00 66.43 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 2.14E-05 co200vl #16 186 200.00 8.30 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 8.92E-04 co200vh #1 187 200.00 19.68 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 3.13E-04 co200vh #2						1264.00	30	0.71	1.49	1.00	1.00	1.00		
182 200.00 8.30 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 3.82E-04 co200vl #13 183 200.00 19.68 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 7.55E-05 co200vl #14 184 200.00 38.44 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 1.79E-04 co200vl #15 185 200.00 66.43 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 1.79E-04 co200vl #15 186 200.00 8.30 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 8.92E-04 co200vh #1 187 200.00 19.68 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 3.13E-04 co200vh #2														
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185 200.00 66.43 2435.00 2690.00 2562.50 30 0.71 1.49 1.00 1.00 1.00 2.14E-05 co200vl #16 186 200.00 8.30 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 8.92E-04 co200vh #1 187 200.00 19.68 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 3.13E-04 co200vh #2	183	200.00	19.68	2435.00	2690.00	2562.50	30	0.71	1.49	1.00	1.00			
186 200.00 8.30 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 8.92E-04 co200vh #1 187 200.00 19.68 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 3.13E-04 co200vh #2														
187 200.00 19.68 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 3.13E-04 co200vh #2										1.00	1.00	1.00	8.92E-04	co200vh #1
188 200 00 58 AA A8A2 00 5552.00 5097 00 50 0.71 1.49 1.00 1.00 1.00 6.36E*U3 COZUUYO #3	187	200.00	19.68	4842.00	5352.00									
189 200.00 66.43 4842.00 5352.00 5097.00 50 0.71 1.49 1.00 1.00 1.00 4.79E-05 co200vh #4	188 189		38.44 66.43	4842.00 4842.00	5352.00 5352.00		_							
190 200.00 8.30 7280.00 8050.00 7665.00 50 0.71 1.49 1.00 1.00 1.70E-03 co200vh #5														

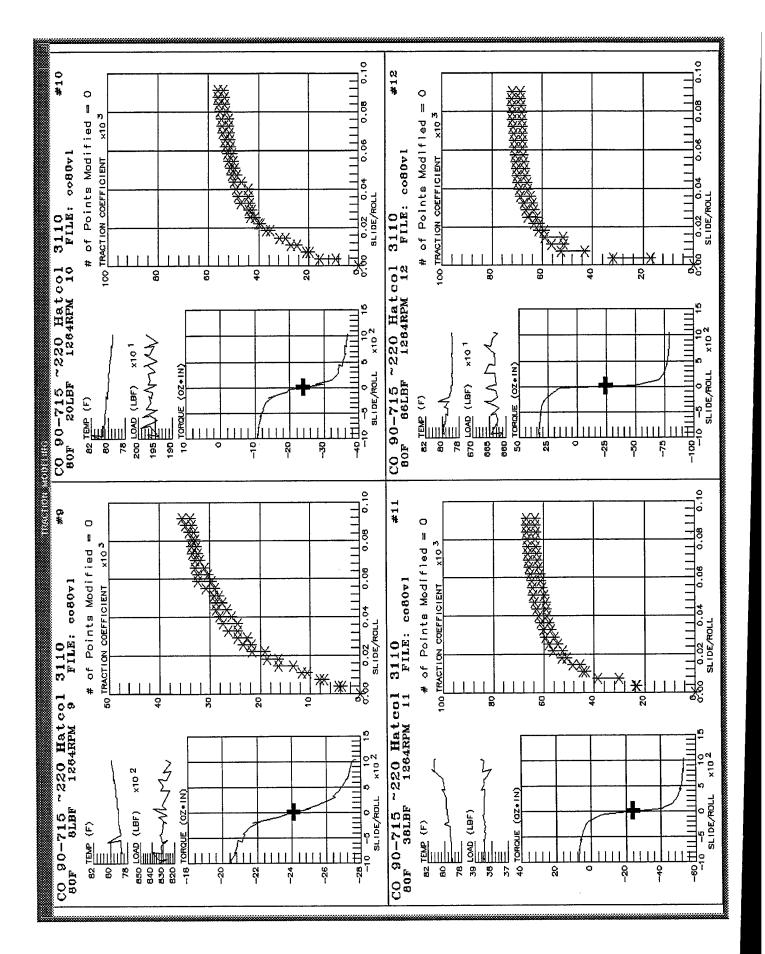
	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	0 Load1			actors Rpm2	Torq	SqDev	Dataset/Test #
191	200.00	19.68	7280.00	8050.00	7665.00	50	0.71	1.49	1.00	1.00	1.00	2.47E-05	co200vh #6
192	200.00	38.44	7280.00	8050.00	7665.00	50	0.71	1.49	1.00	1.00	1.00	1.14E-04	co200vh #7
193 194	200.00 200.00	66.43 8.30	7280.00 9700.00	8050.00 10750.00	7665.00 10225.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	7.36E-05 1.85E-04	co200vh #8 co200vh #9
195	200.00	19.68	9700.00	10750.00	10225.00	50	0.71	1.49	1.00	1.00	1.00	2.72E-04	co200vh #10
196	200.00	38.44	9700.00	10750.00	10225.00	50	0.71	1.49	1.00	1.00	1.00	2.20E-04	co200vh #11
197 198	200.00 250.00	66.43 8.30	9700.00 290.00	10750.00 322.00	10225.00 306.00	50 30	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.58E-04 1.18E-03	co200vh #12 co25-30m #1
199	250.00	19.68	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	2.98E-03	co25-30m #2
200	250.00	38.44	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	2.32E-03	co25-30m #3
201	250.00 250.00	66.43 8.30	290.00 618.00	322.00 684.00	306.00	30 30	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	9.15E-04 2.13E-03	co25-30m #4 co25-30m #5
202 203	250.00	19.68	618.00	684.00	651.00 651.00	30	0.71	1.49	1.00	1.00	1.00	2.13E-03	co25-30m #6
204	250.00	38.44	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	2.60E-03	co25-30m #7
205	250.00	66.43	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	2.29E-04	co25-30m #8
206 207	250.00 250.00	8.30 19.68	1200.00 1200.00	1328.00 1328.00	1264.00 1264.00	30 30	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	9.42E-04 4.44E-04	co25-30m #9 co25-30m #10
208	250.00	38.44	1200.00	1328.00	1264.00	30	0.71	1.49	1.00	1.00	1.00	3.14E-04	co25-30m #11
209	250.00	66.43	1200.00	1328.00	1264.00	30	0.71	1.49	1.00	1.00	1.00	2.04E-04	co25-30m #12
210	250.00	8.30	2435.00	2700.00	2567.50	30	0.71	1.49	1.00	1.00	1.00	5.85E-04	co25-30m #13
211 212	250.00 250.00	19.68 38.44	2435.00 2435.00	2700.00 2700.00	2567.50 2567.50	30 30	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	2.65E-04 5.31E-05	co25-30m #14 co25-30m #15
213	250.00	66.43	2435.00	2700.00	2567.50	30	0.71	1.49	1.00	1.00	1.00	1.02E-05	co25-30m #16
214	300.00	8.30	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	1.03E-02	co25-30m #17
215 216	300.00 300.00	19.68 38.44	290.00 290.00	322.00 322.00	306.00 306.00	30 30	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.19E-02 2.31E-03	co25-30m #18 co25-30m #19
217	300.00	66.43	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	1.03E-03	co25-30m #20
218	300.00	8.30	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	1.08E-03	co25-30m #21
219 220	300.00 300.00	19.68 38.44	618.00 618.00	684.00 684.00	651.00 651.00	30 30	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	3.21E-03 2.65E-02	co25-30m #22 co25-30m #23
221	300.00	66.43	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	4.05E-03	co25-30m #24
222	300.00	8.30	1200.00	1328.00	1264.00	30	0.71	1.49	1.00	1.00	1.00	2.99E-03	co25-30m #25
223 224	300.00 300.00	19.68 38.44	1200.00 1200.00	1328.00 1328.00	1264.00 1264.00	30 30	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	9.83E-04 1.51E-03	co25-30m #26 co25-30m #27
225	300.00	66.43	1200.00	1328.00	1264.00	30	0.71	1.49	1.00	1.00	1.00	3.33E-04	co25-30m #28
226	300.00	8.30	2435.00	2700.00	2567.50	30	0.71	1.49	1.00	1.00	1.00	6.12E-04	co25-30m #29
227 228	300.00 300.00	19.68 38.44	2435.00 2435.00	2700.00 2700.00	2567.50 2567.50	30 30	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	4.90E-04 4.59E-04	co25-30m #30 co25-30m #31
229	300.00	66.43	2435.00	2700.00	2567.50	30	0.71	1.49	1.00	1.00	1.00	7.37E-04	co25-30m #31
230	250.00	8.30	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	4.91E-03	co250vl #1
231 232	250.00 250.00	19.68	290.00 290.00	322.00 322.00	306.00 306.00	30 30	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	2.98E-03 2.91E-03	co250vl #2 co250vl #3
233	250.00	38.44 66.43	290.00	322.00	306.00	30	0.71	1.49	1.00	1.00	1.00	2.26E-03	co250vl #4
234	250.00	8.30	618.00	684.00	651.00	30	0.71	1.49	1.00	1.00	1.00	7.63E-04	co250vl #5
235 236	250.00 250.00	8.30	4842.00 4842.00	5352.00 5352.00	5097.00 5097.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	9.38E-04 2.73E-05	co250vh #1 co250vh #2
237	250.00	19.68 38.44	4842.00	5352.00	5097.00	50	0.71	1.49	1.00	1.00	1.00	1.65E-04	co250vh #3
238	250.00	66.43	4842.00	5352.00	5097.00	50	0.71	1.49	1.00	1.00	1.00	8.12E-05	co250vh #4
239 240	250.00 250.00	8.30 19.68	7280.00 7280.00	8050.00 8050.00	7665.00 7665.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	2.30E-03 5.61E-05	co250vh #5 co250vh #6
241	250.00	38.44	7280.00	8050.00	7665.00	50	0.71	1.49	1.00	1.00	1.00	6.21E-05	co250vh #7
242	250.00	66.43	7280.00	8050.00	7665.00	50	0.71	1.49	1.00	1.00	1.00	1.29E-04	co250vh #8
243	250.00	8.30	9700.00	10750.00	10225.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.11E-04 1.90E-04	co250vh #9 co250vh #10
244 245	250.00 250.00	19.68 38.44	9700.00 9700.00	10750.00 10750.00	10225.00 10225.00	50	0.71	1.49	1.00	1.00	1.00	6.59E-05	co250vh #10
246	250.00	66.43	9700.00	10750.00	10225.00	50	0.71	1.49	1.00	1.00	1.00	6.01E-05	co250vh #12
247	300.00	8.30	4842.00	5352.00	5097.00	50	0.71	1.49	1.00	1.00	1.00	3.73E-04	co300vh #1
248 249	300.00 300.00	19.68 38.44	4842.00 4842.00	5352.00 5352.00	5097.00 5097.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	2.00E-04 3.39E-05	co300vh #2 co300vh #3
250	300.00	66.43	4842.00	5352.00	5097.00	50	0.71	1.49	1.00	1.00	1.00	3.60E-04	co300vh #4
251	300.00	8.30	7280.00	8050.00	7665.00	50 50	0.71	1.49	1.00	1.00	1.00	1.99E-03	co300vh #5 co300vh #6
252 253	300.00 300.00	19.68 38.44	7280.00 7280.00	8050.00 8050.00	7665.00 7665.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	5.01E-05 1.34E-04	co300vn #6
254	300.00	66.43	7280.00	8050.00	7665.00	50	0.71	1.49	1.00	1.00	1.00	1.05E-04	co300vh #8
255	300.00	8.30	9700.00	10750.00	10225.00	50	0.71	1.49	1.00	1.00	1.00	1.70E-04	co300vh #9
256 257	300.00 300.00	19.68 38.44	9700.00 9700.00	10750.00 10750.00	10225.00 10225.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	9.84E-05 3.03E-04	co300vh #10 co300vh #11
258	300.00	66.43	9700.00	10750.00	10225.00	50	0.71	1.49	1.00	1.00	1.00	2.87E-05	co300vh #12

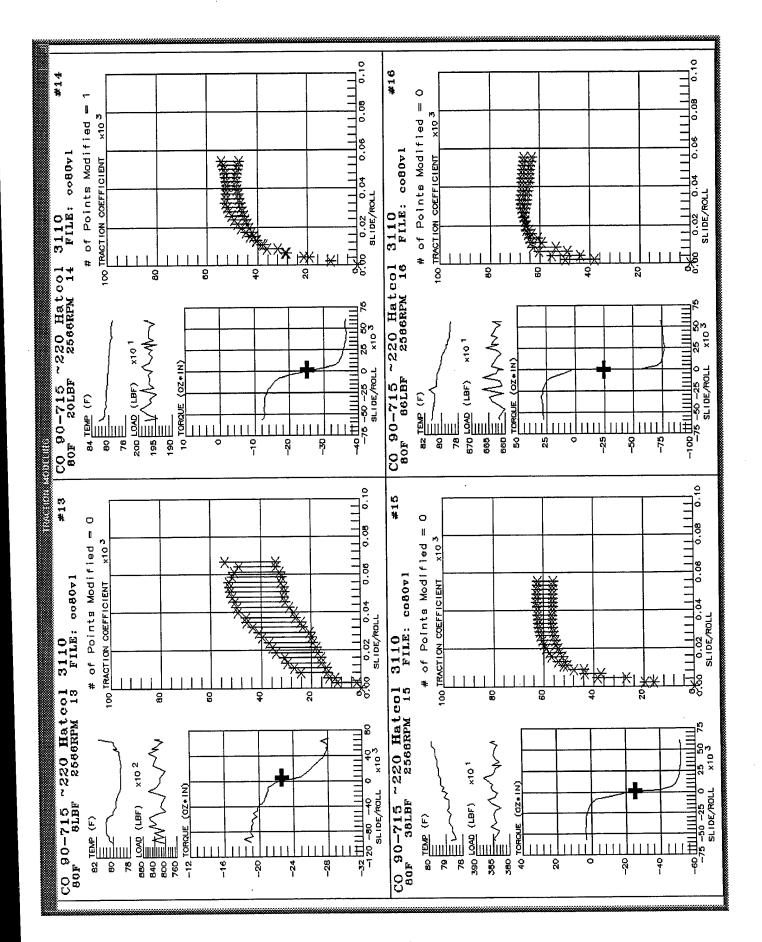
Summary of Select Data Files

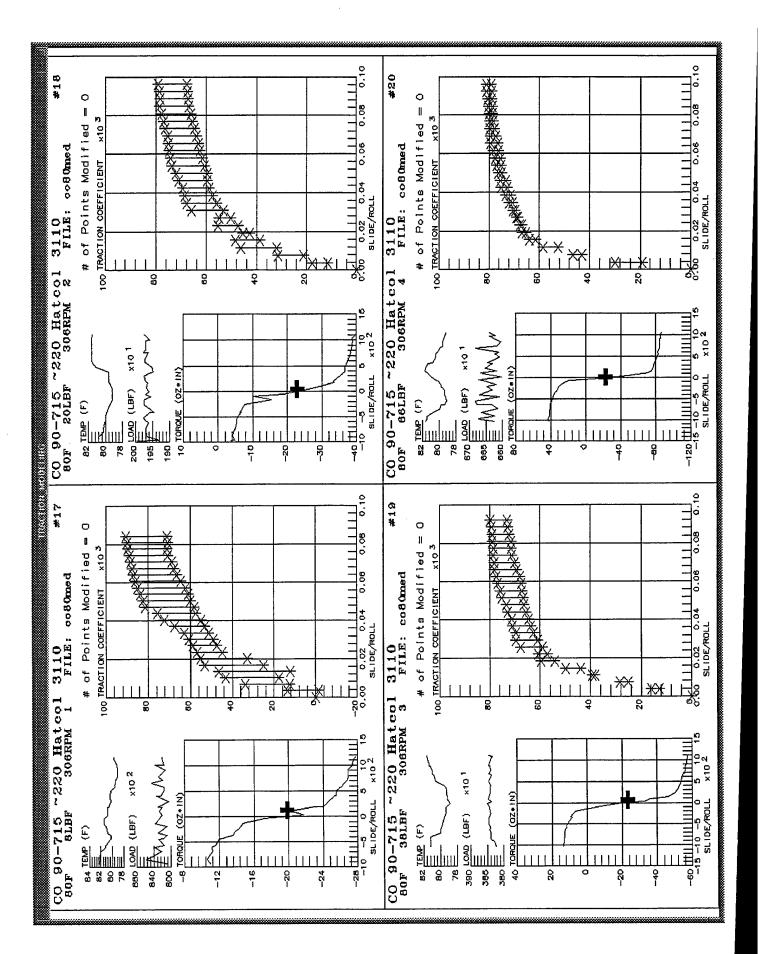
Filename	Temp	RollRpm	DataCurve #
co1.dat	80.00	1264.00	26 27 28
co2.dat	80.00	2566.00	14 15 16
co3.dat	80.00	5097.00	34 35 36
co4.dat	80.00	7665.00	38 39 40
co5.dat	80.00	10225.00	42 43 44
co6.dat	100.00	1264.00	<i>7</i> 3 74 75
co7.dat	100.00	5097.00	81 82 83
co8.dat	100.00	7665.00	85 86 87
co9.dat	100.00	10225.00	89 90 91
co10.dat	150.00	1264.00	101 102 119
co11.dat	150.00	5097.00	123 124 125
co12.dat	150.00	7665.00	127 128 129
co13.dat	150.00	10225.00	131 132 133
co14.dat	200.00	1264.00	179 180 181
co15.dat	200.00	5097.00	187 188 189
co16.dat	200.00	7665.00	191 192 193
co17.dat	200.00	10225.00	195 196 197
co18.dat	250.00	1264.00	207 208 209
co19.dat	250.00	5097.00	236 237 238
co20.dat	250.00	7665.00	240 241 242
co21.dat	250.00	10225.00	244 245 246
co22.dat	300.00	1264.00	223 224 225
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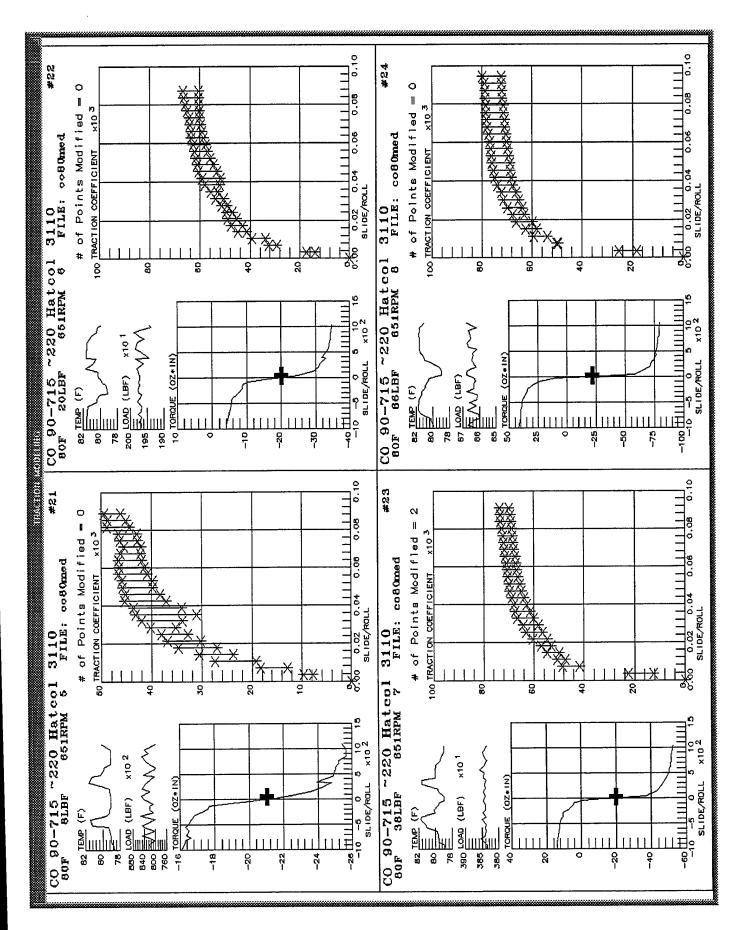


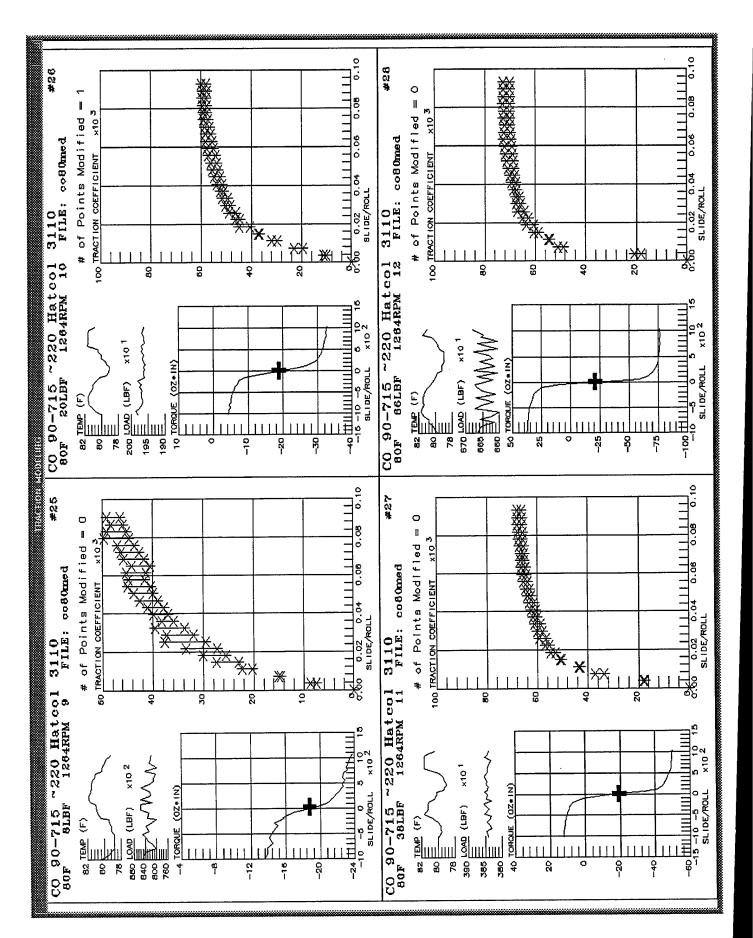


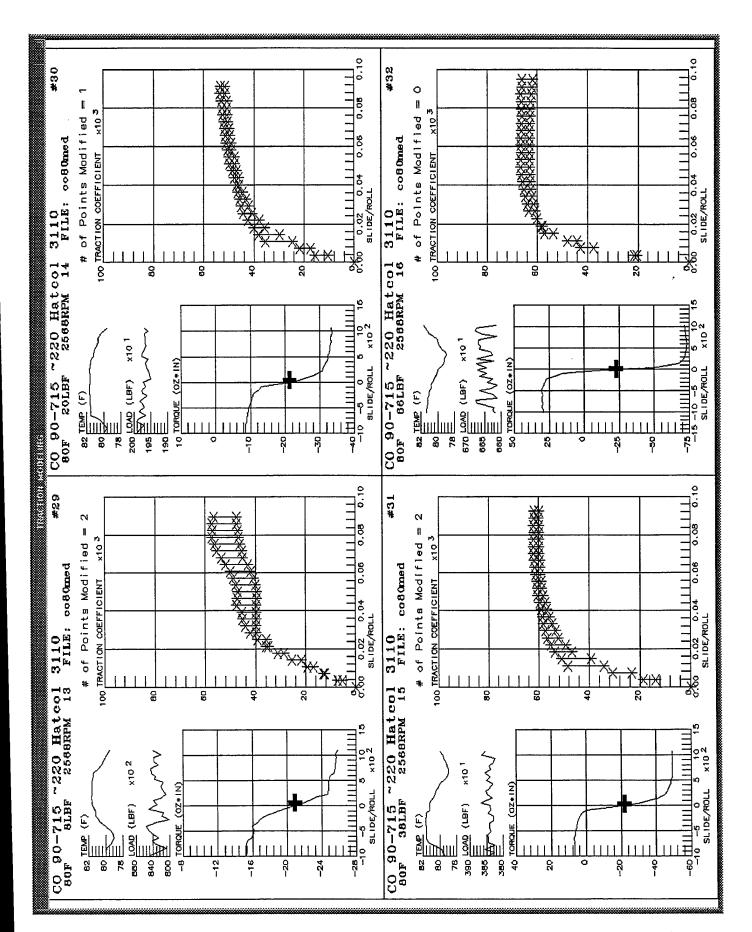


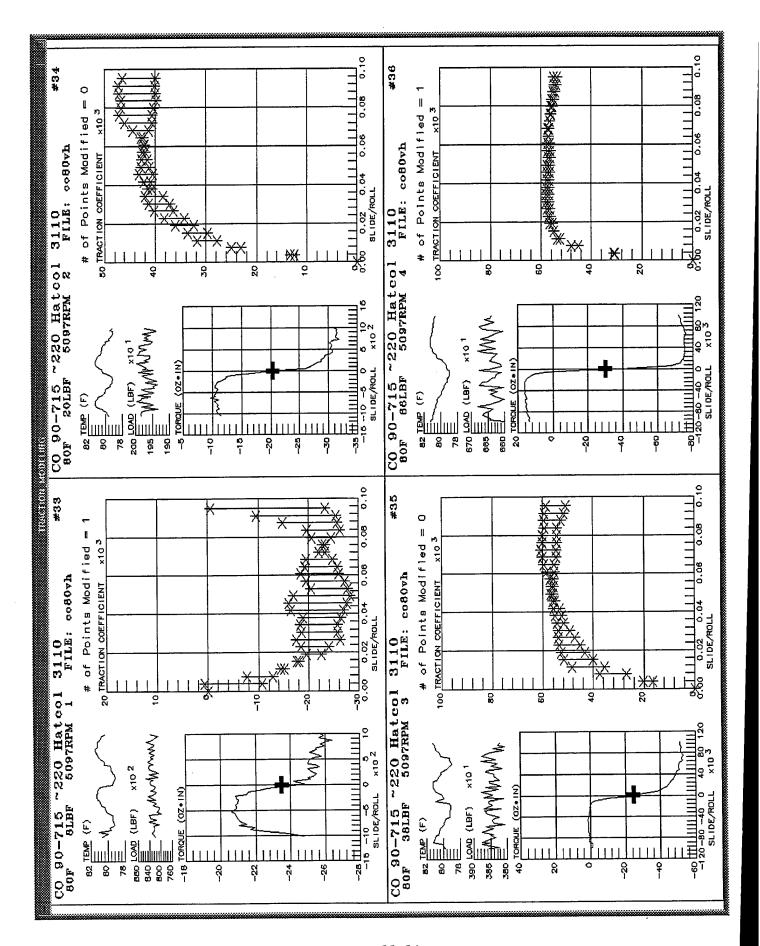


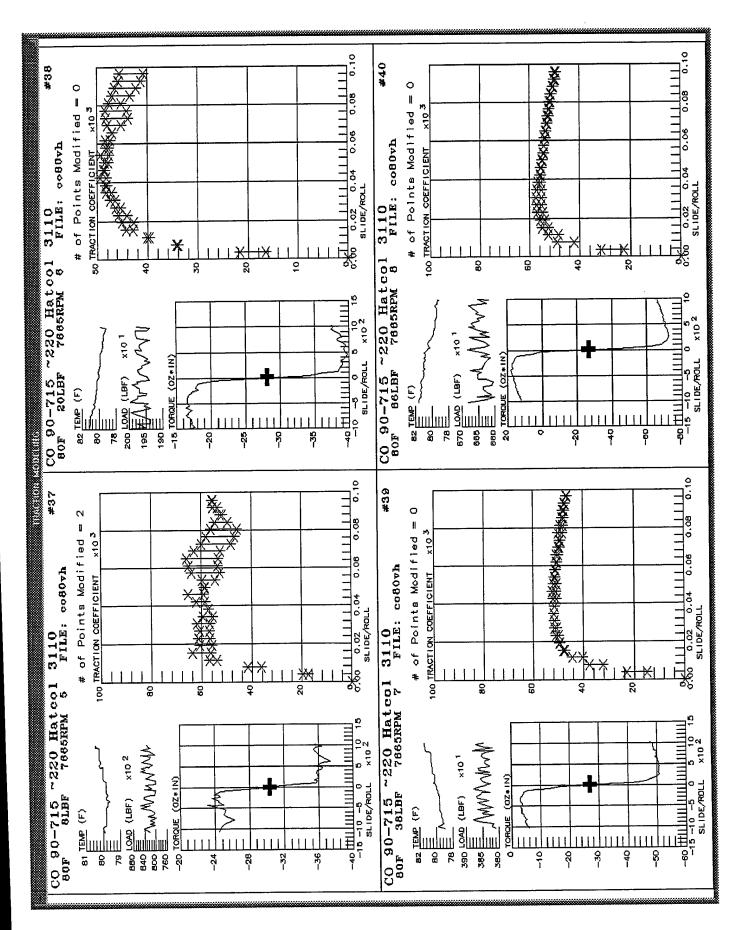


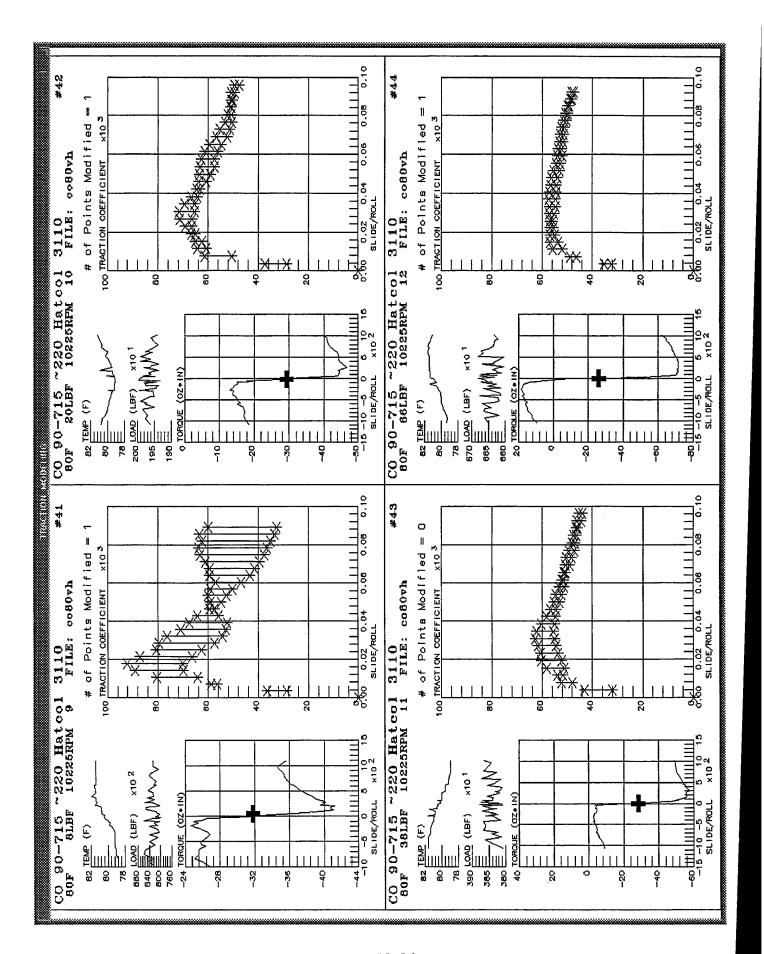


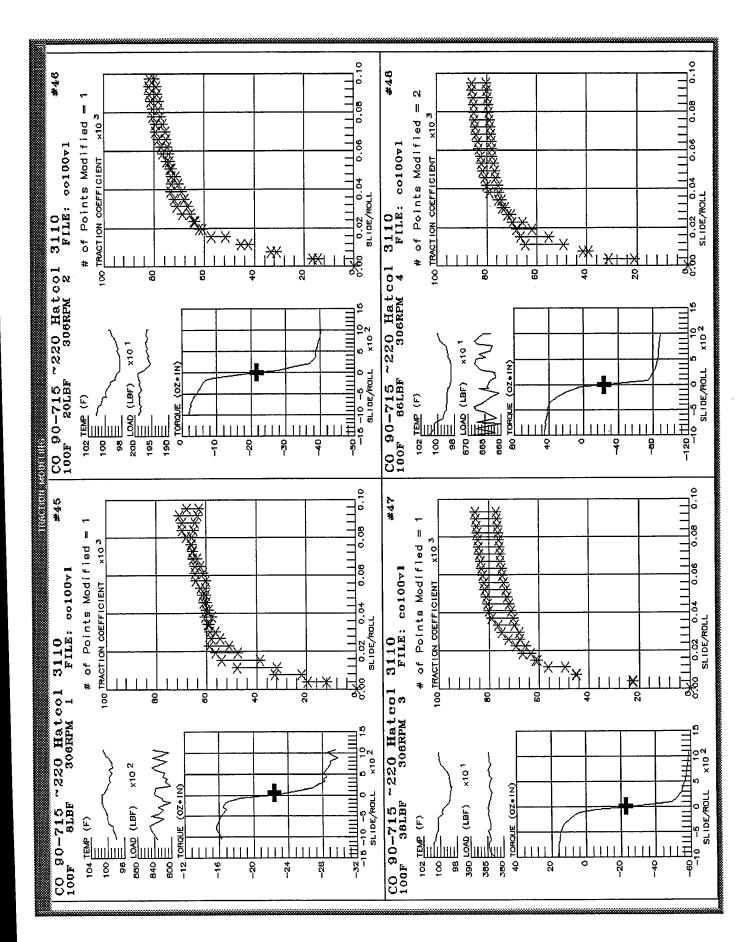


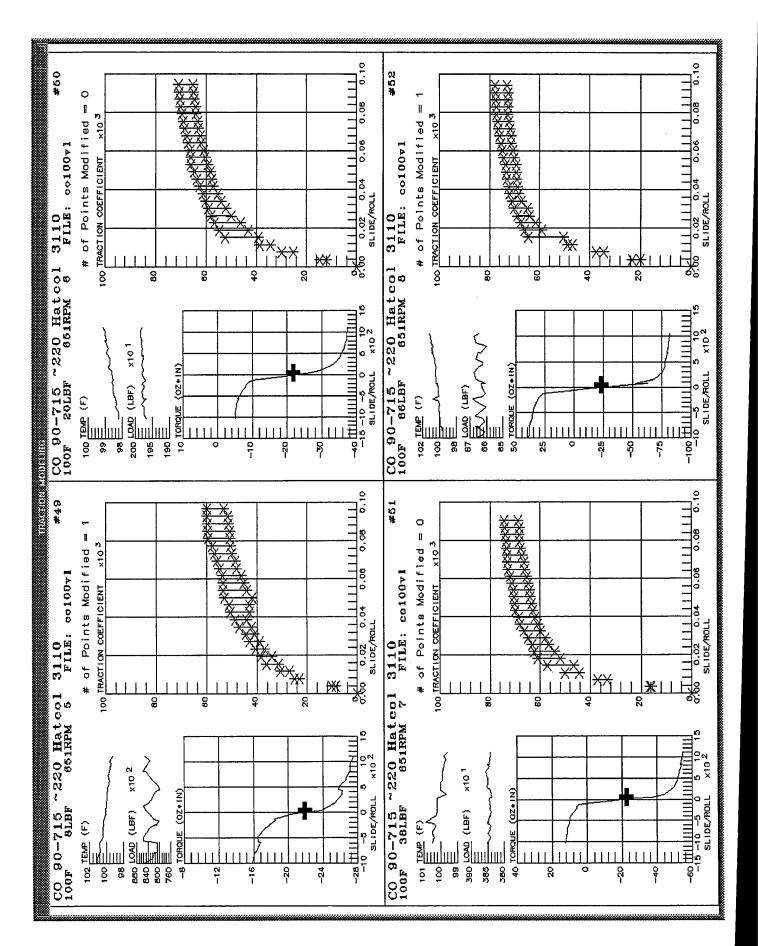


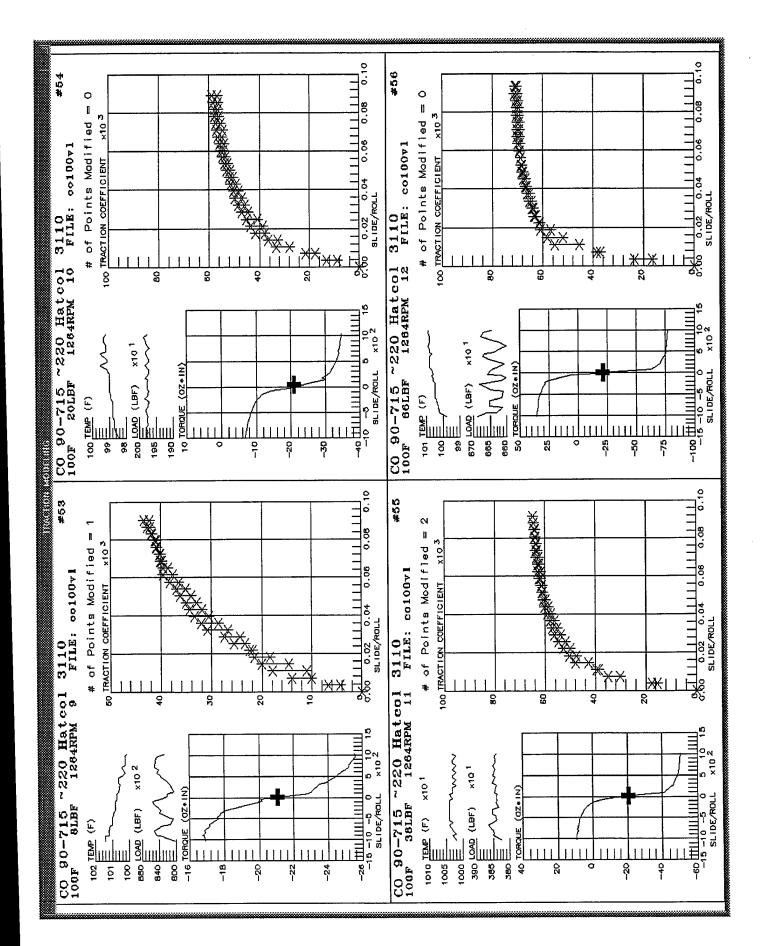


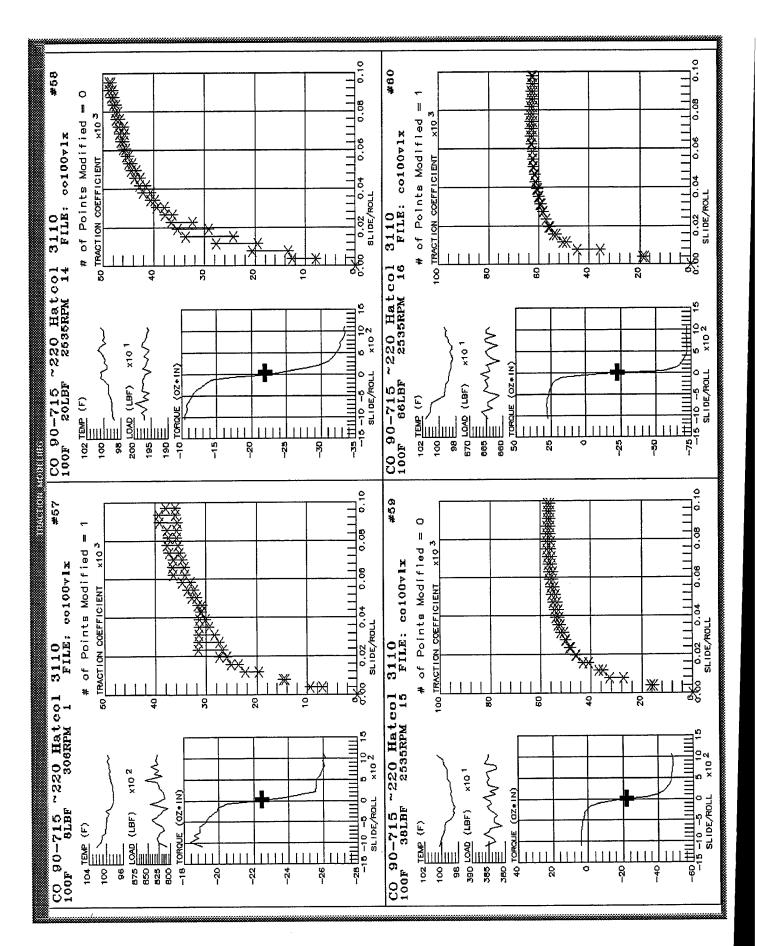


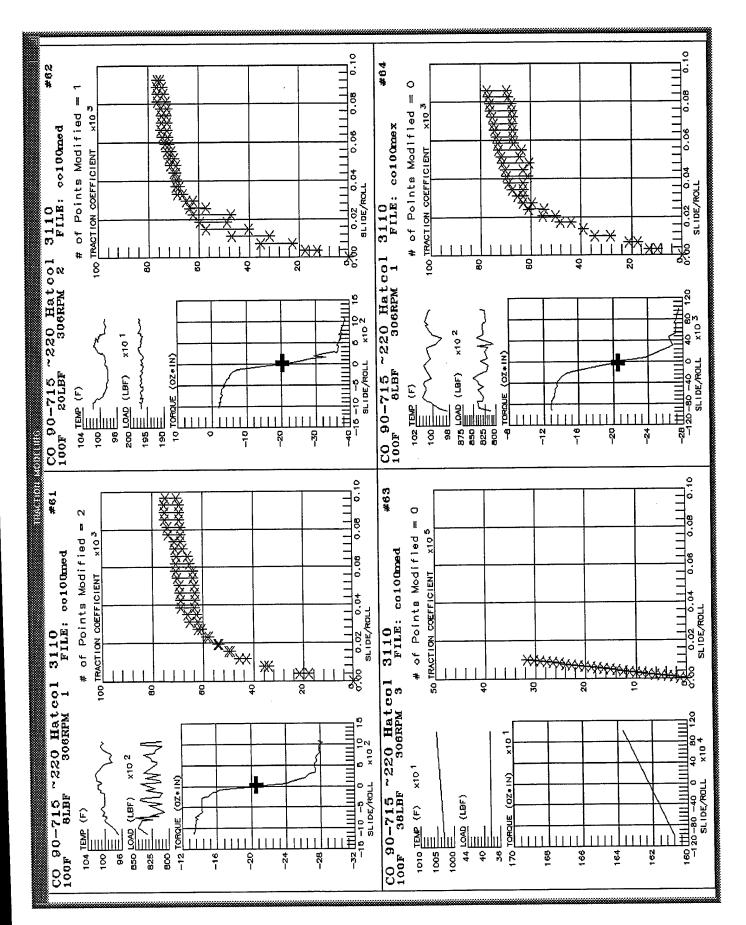


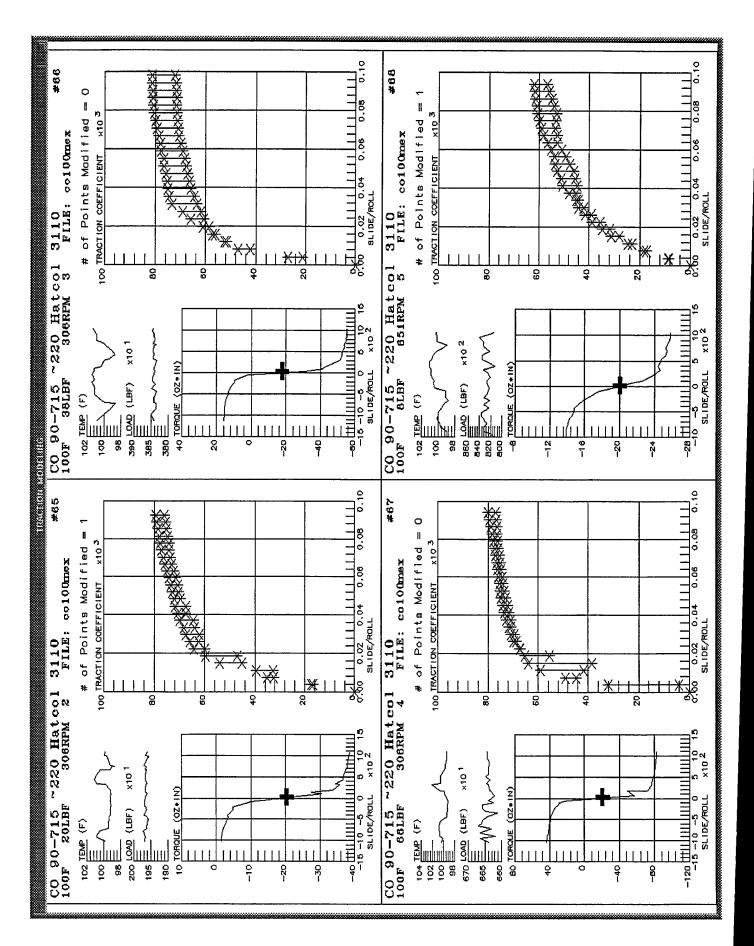


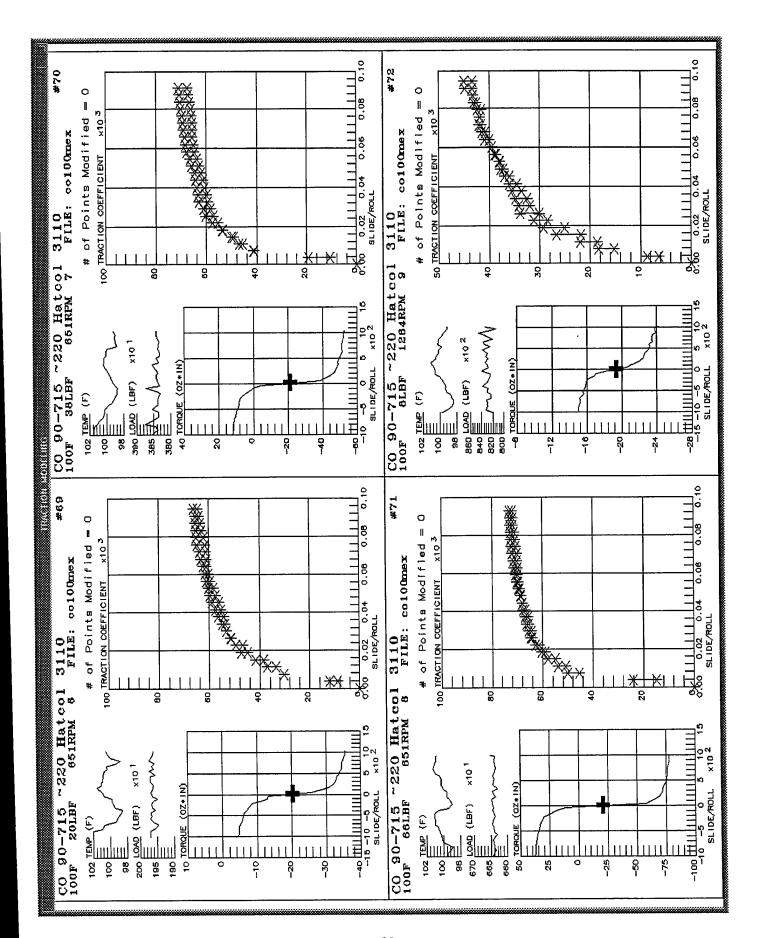


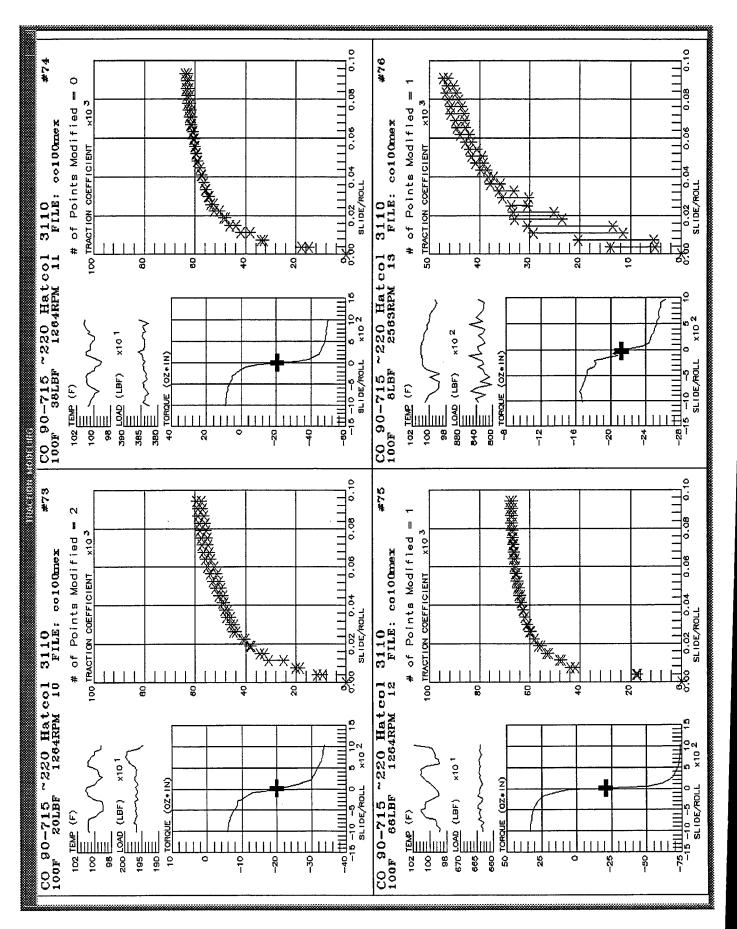


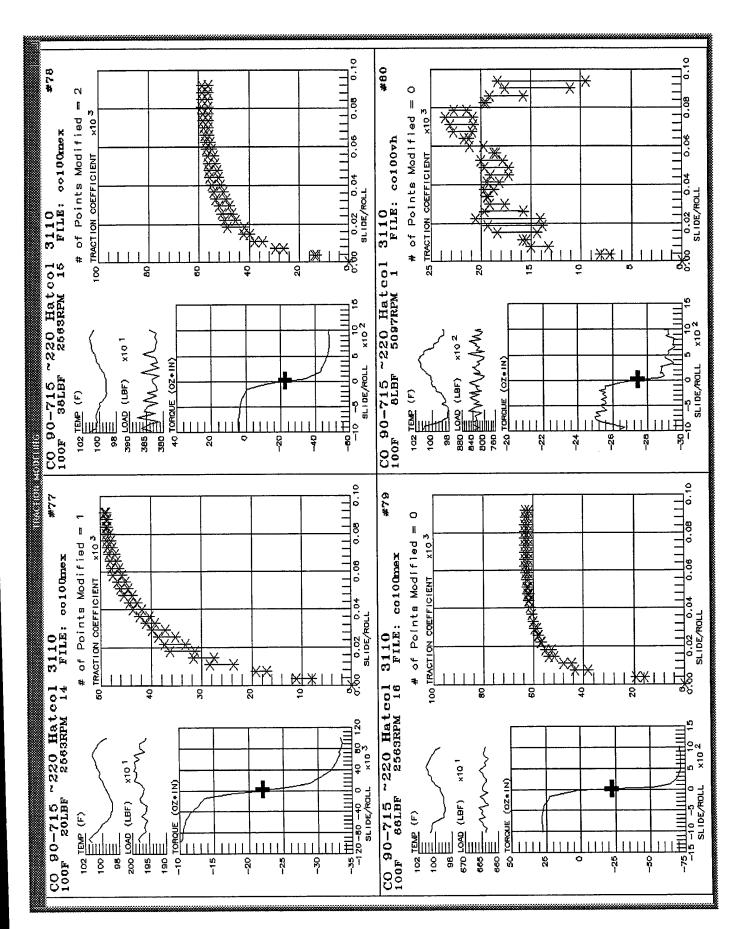


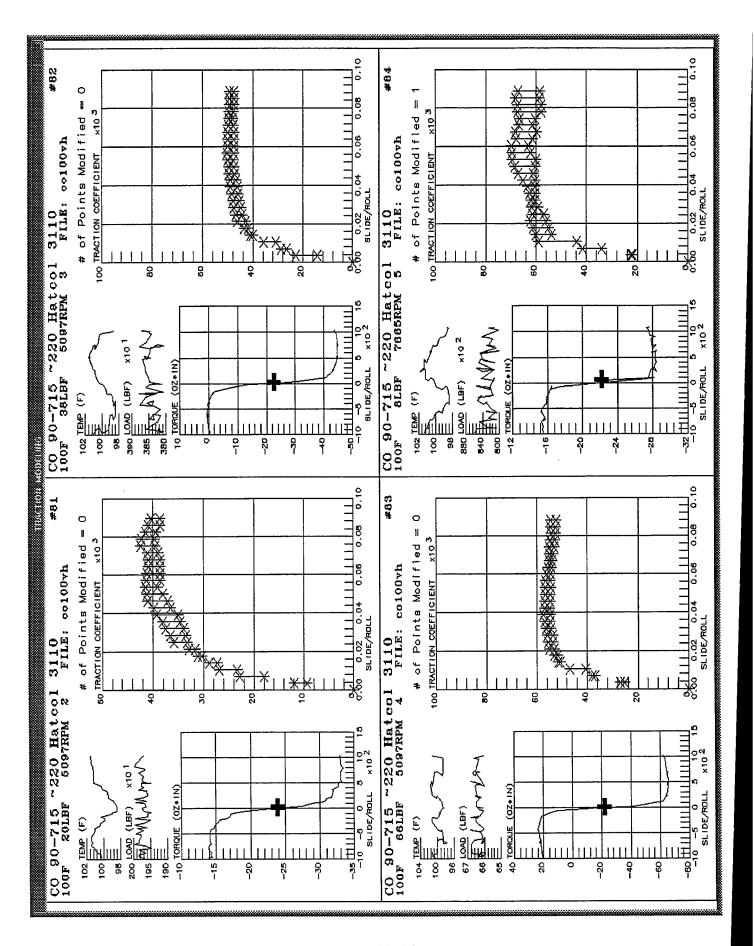


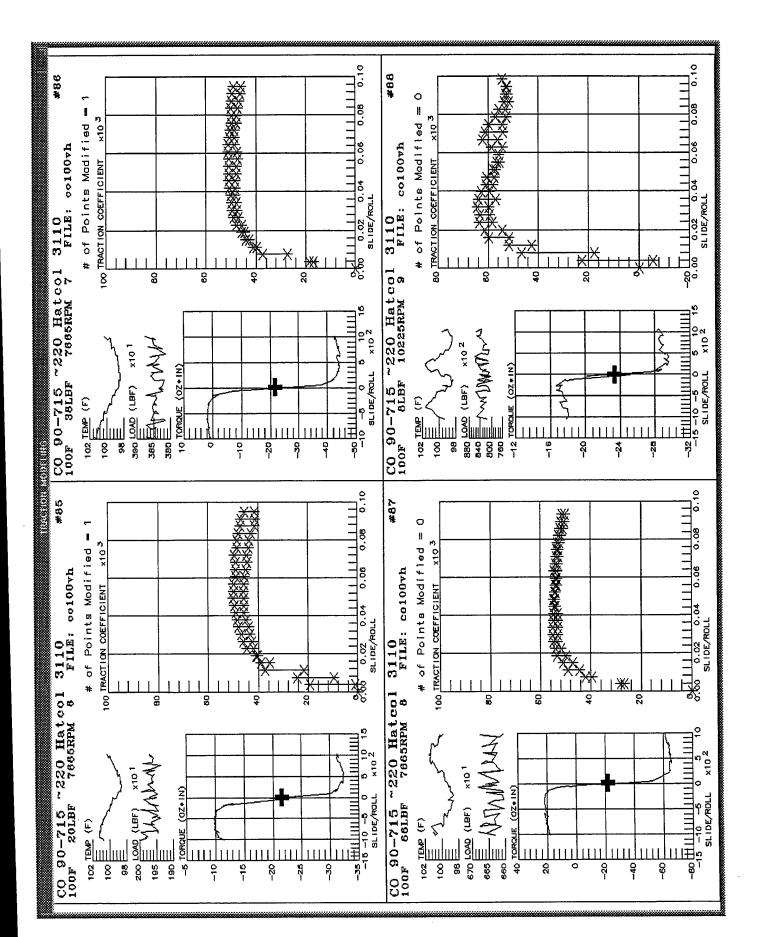


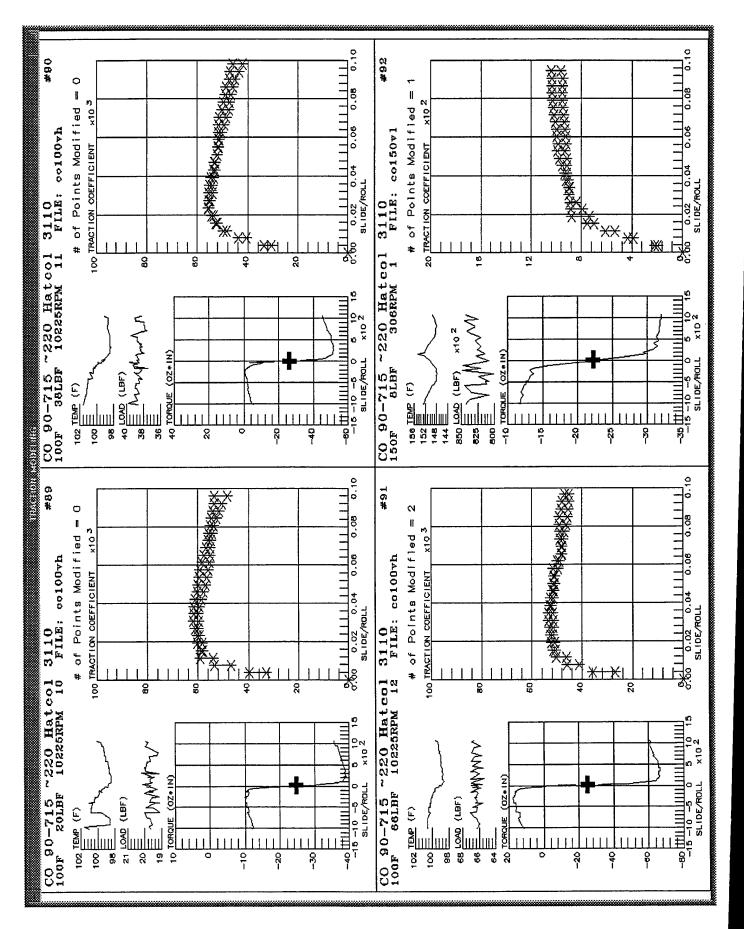


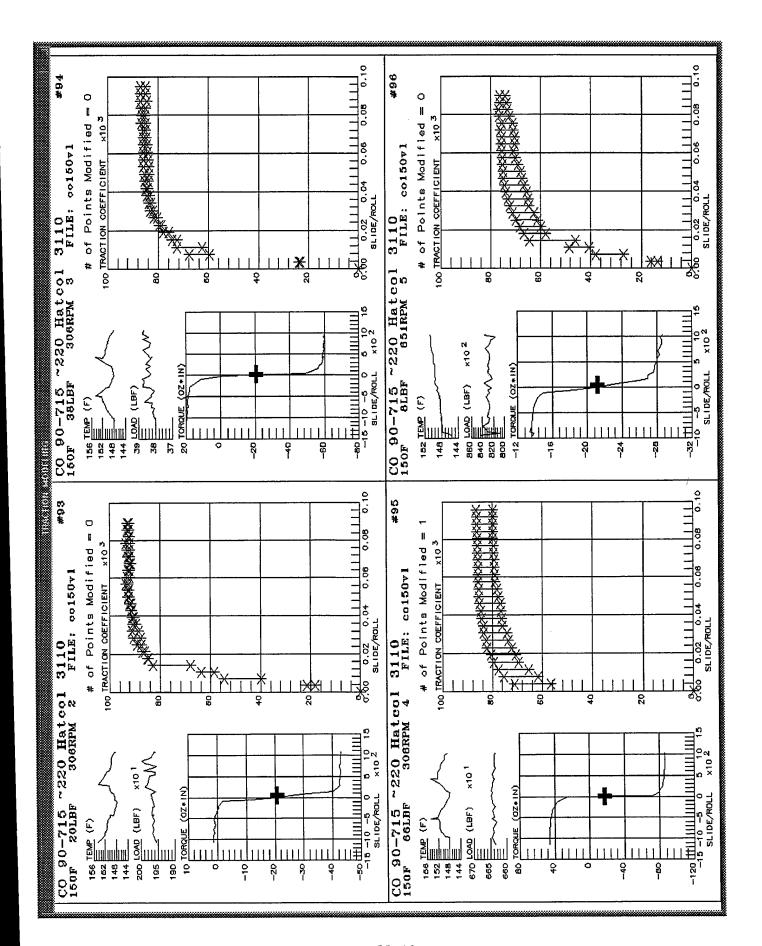


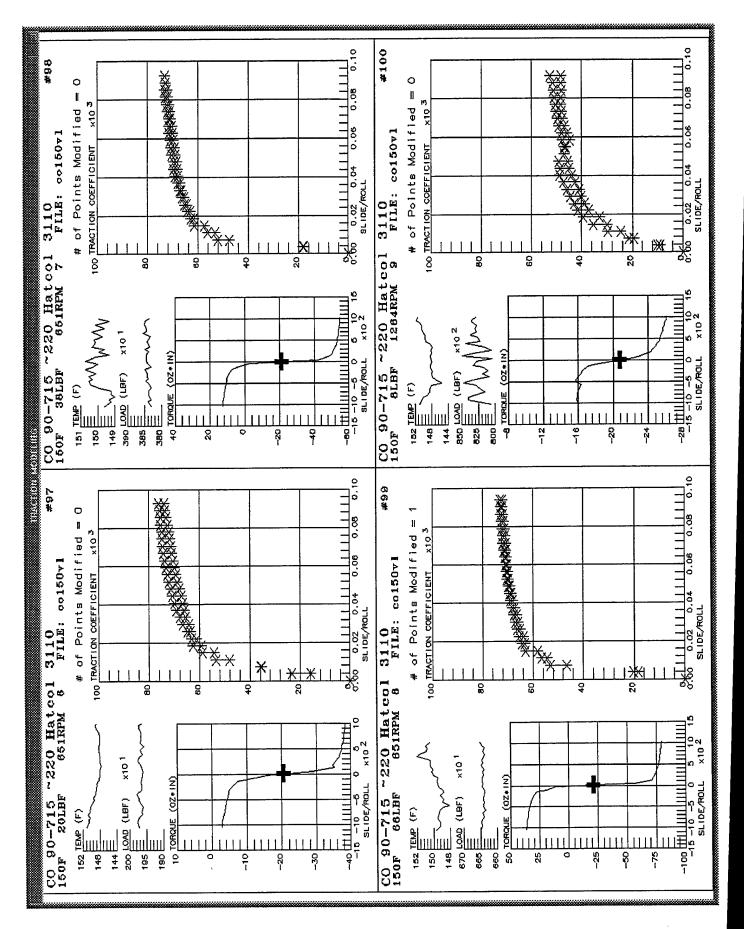


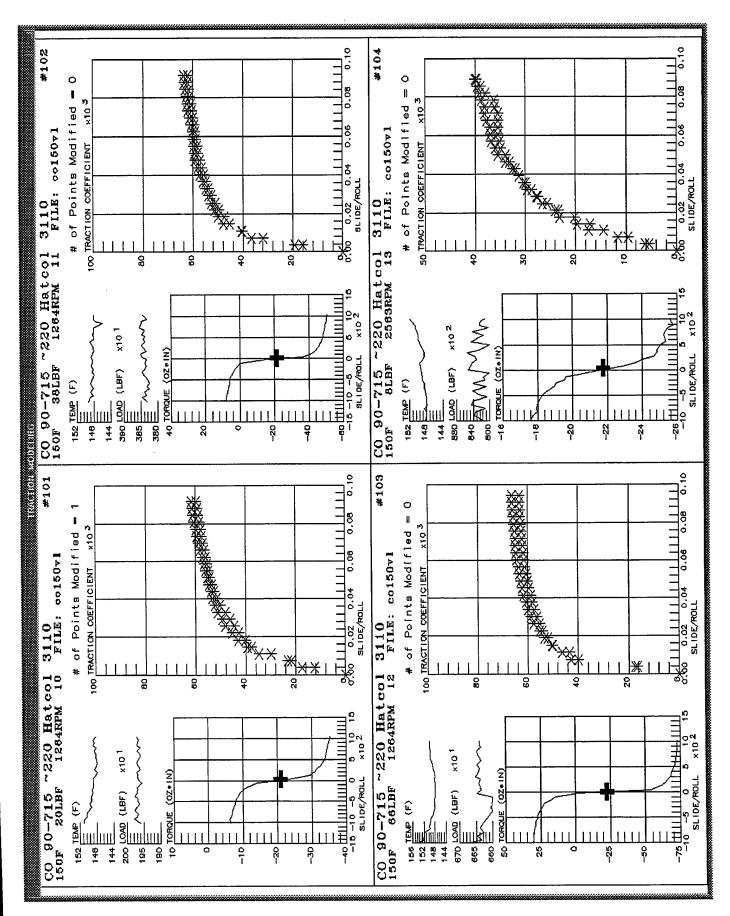


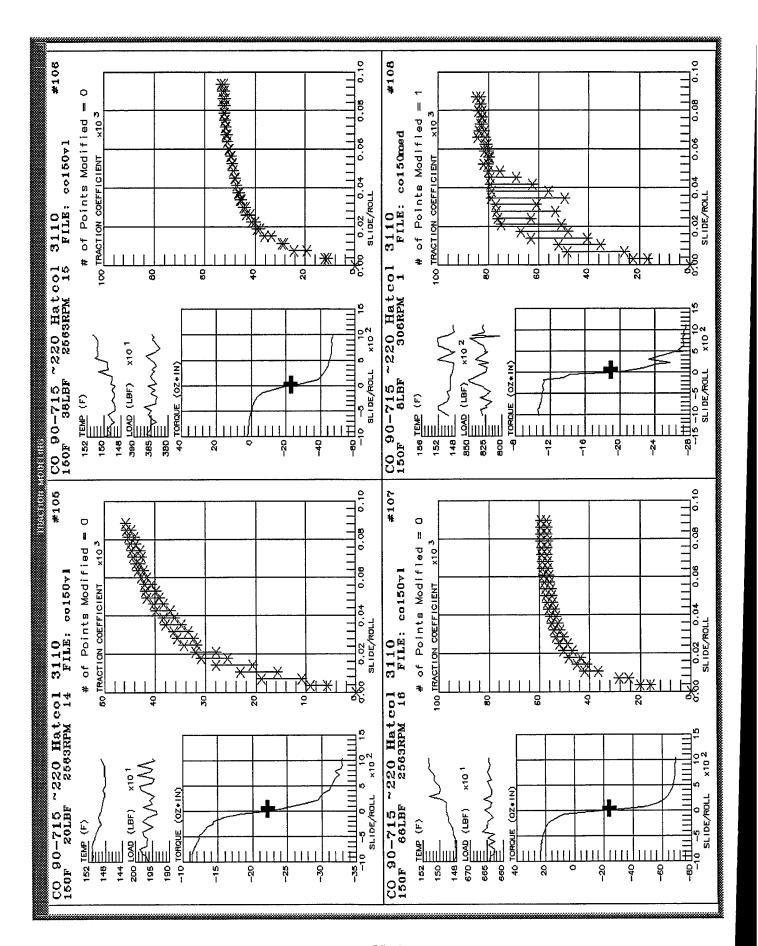


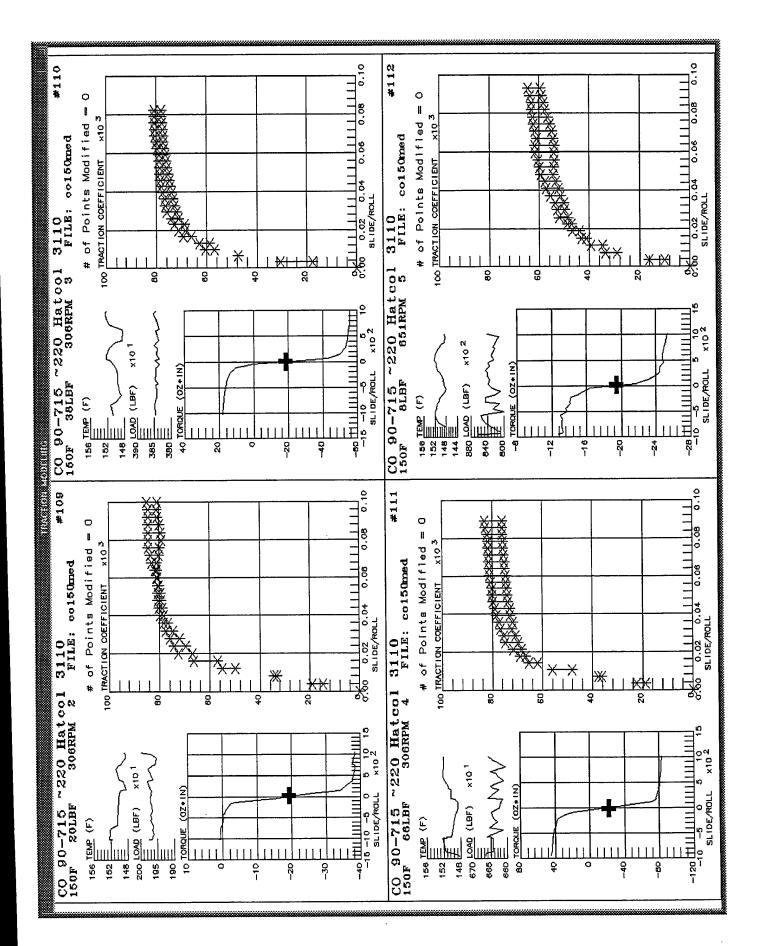


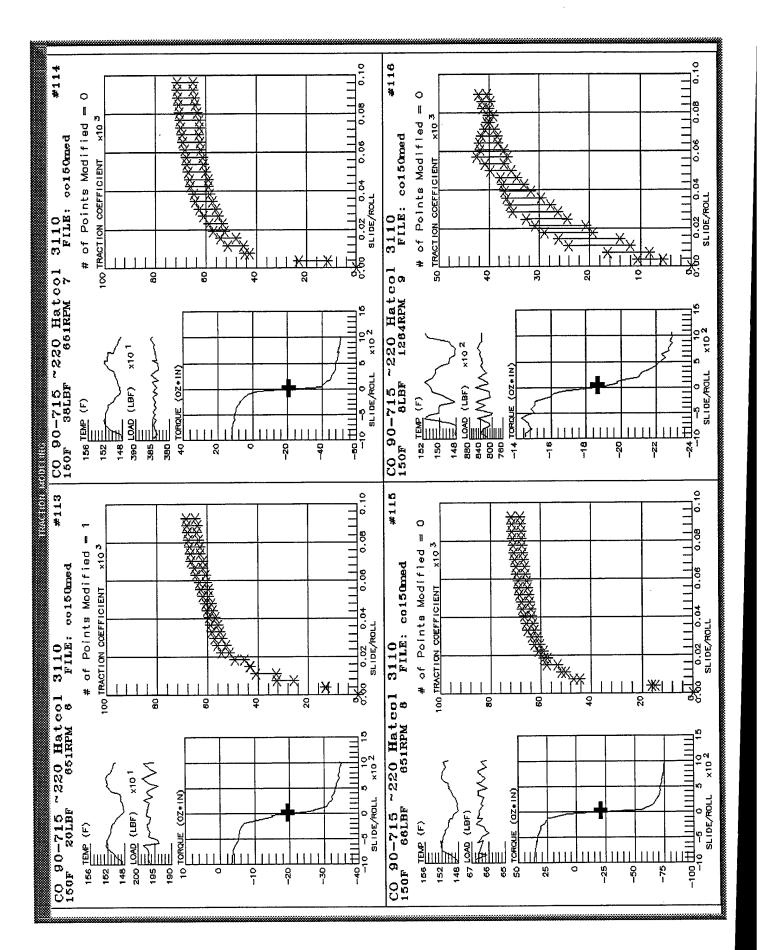


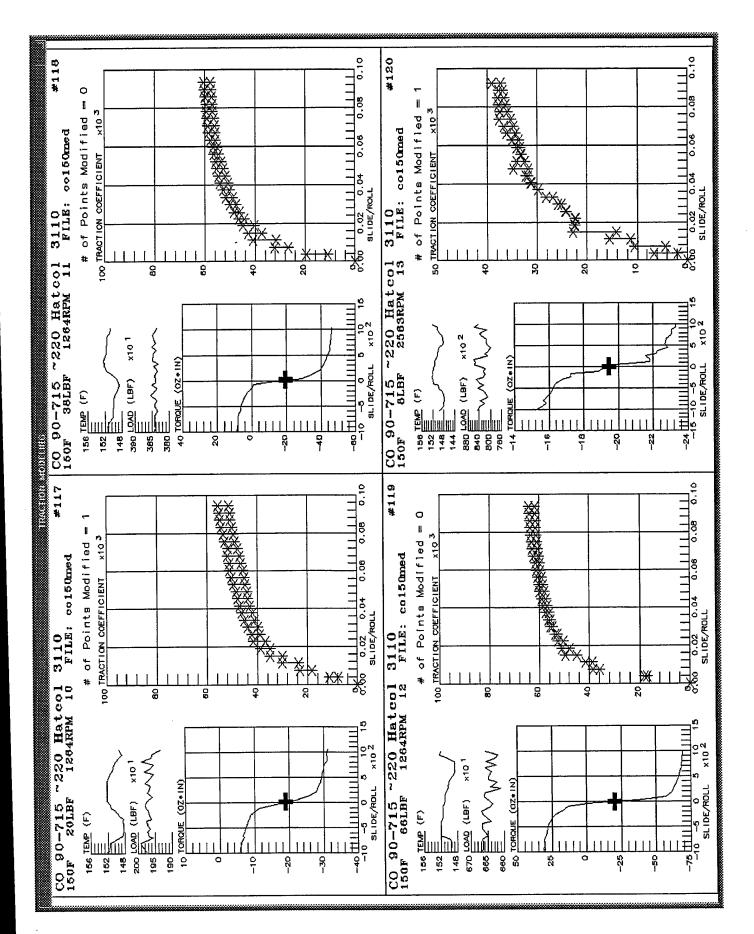


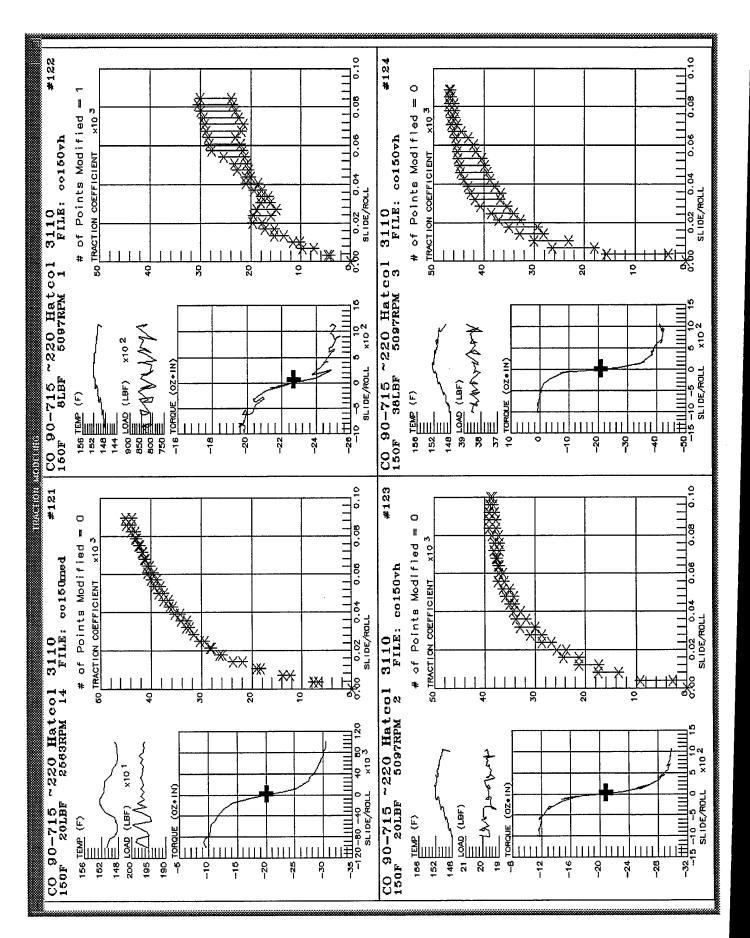


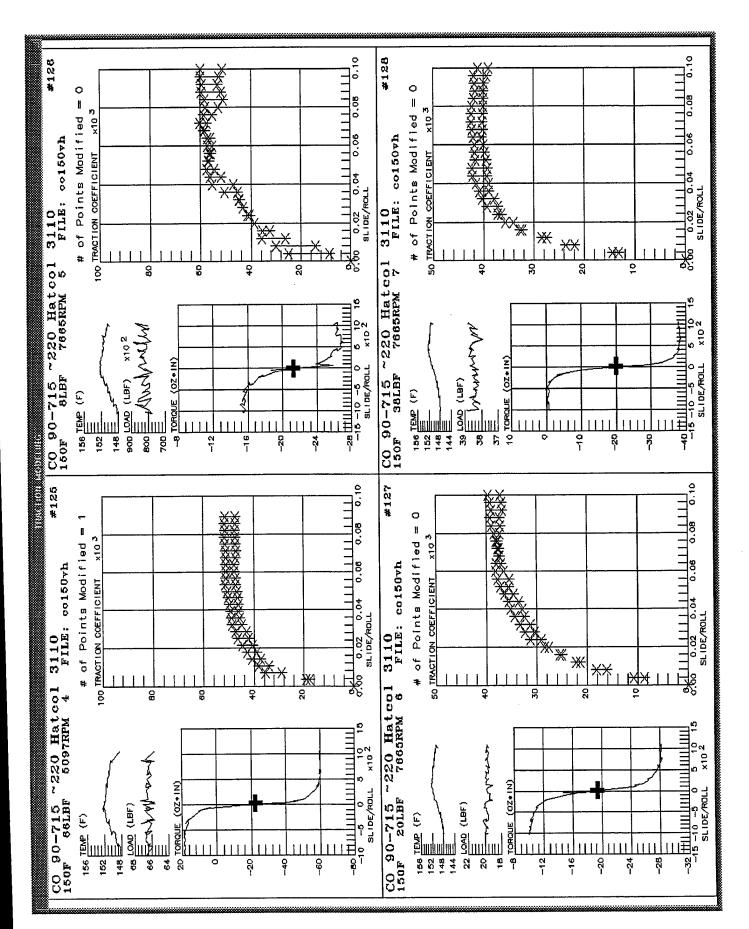


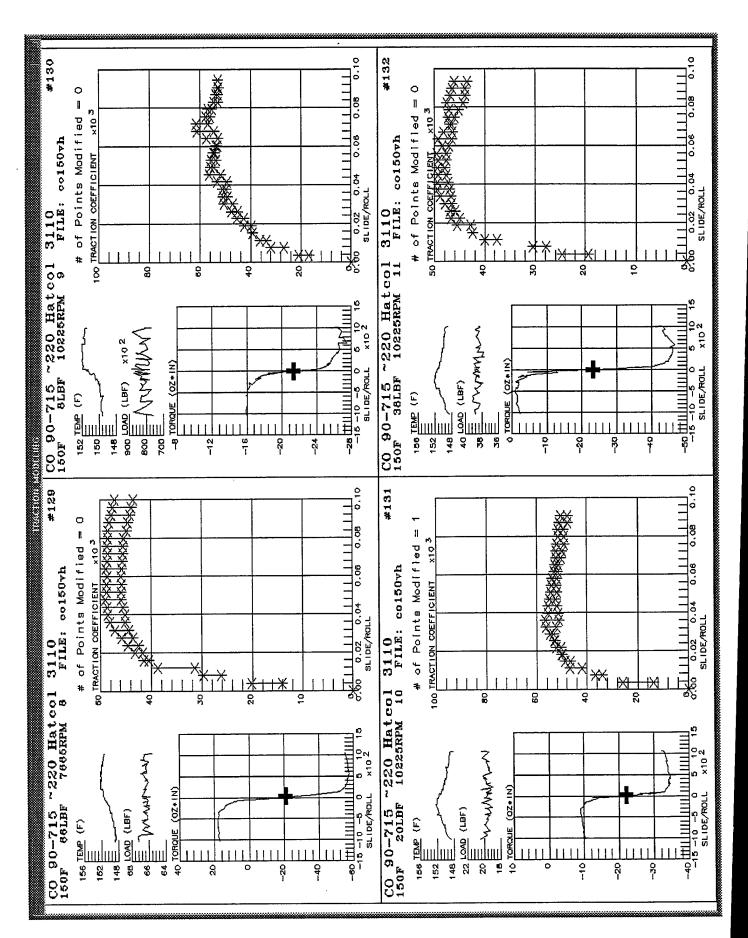


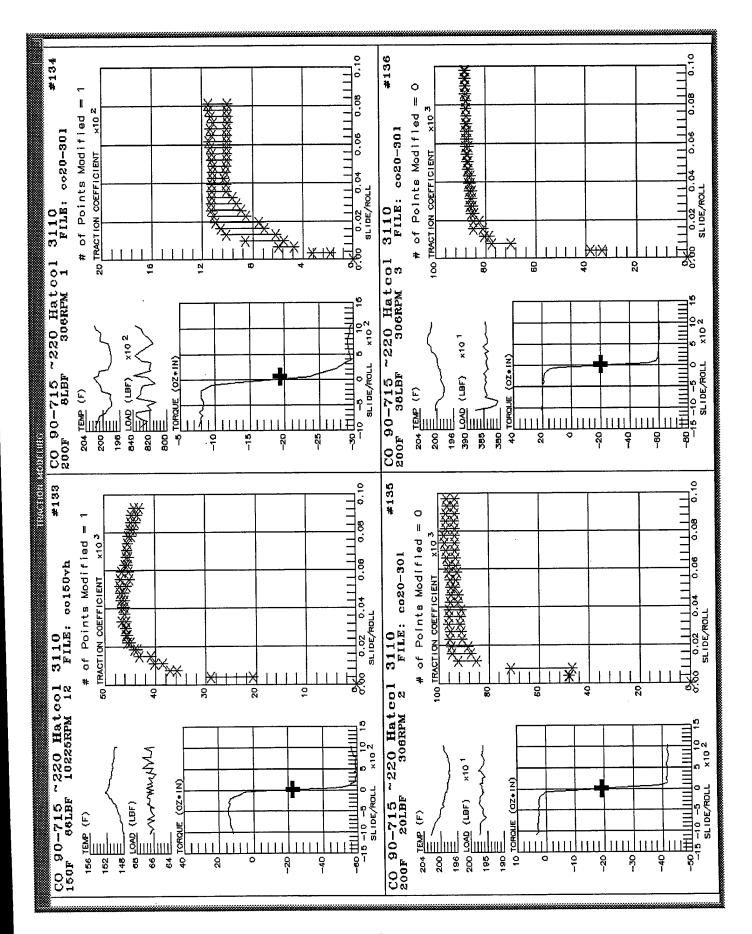


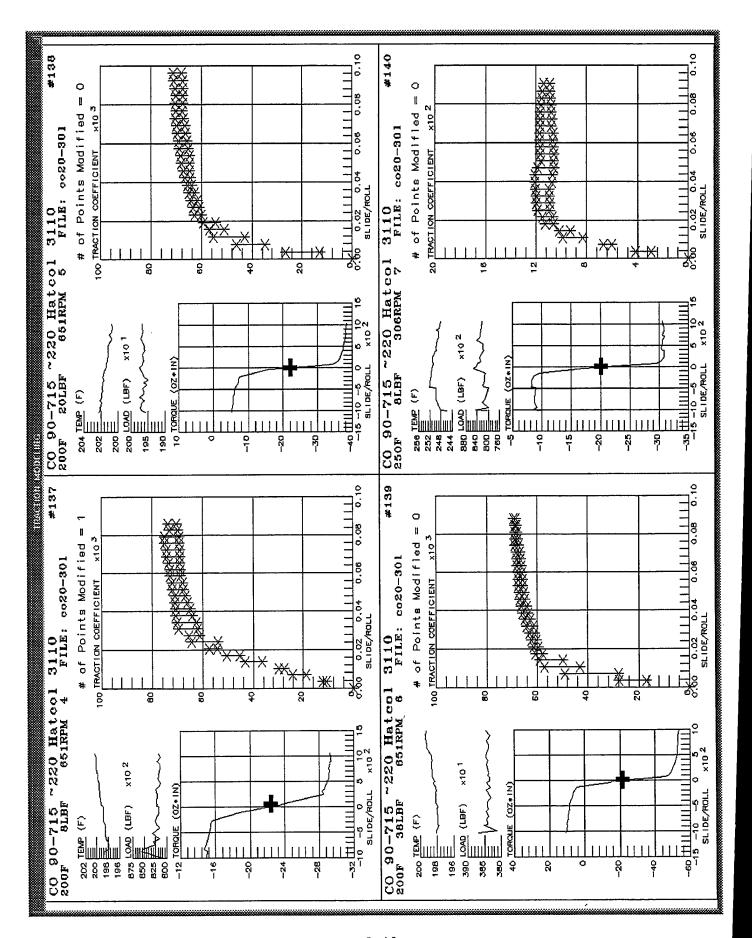


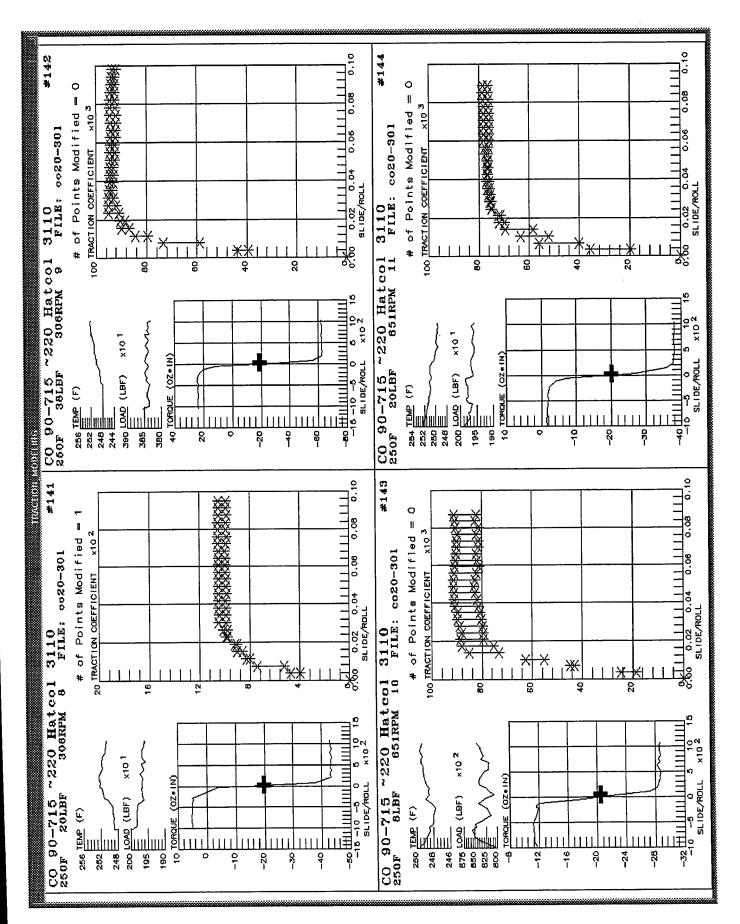


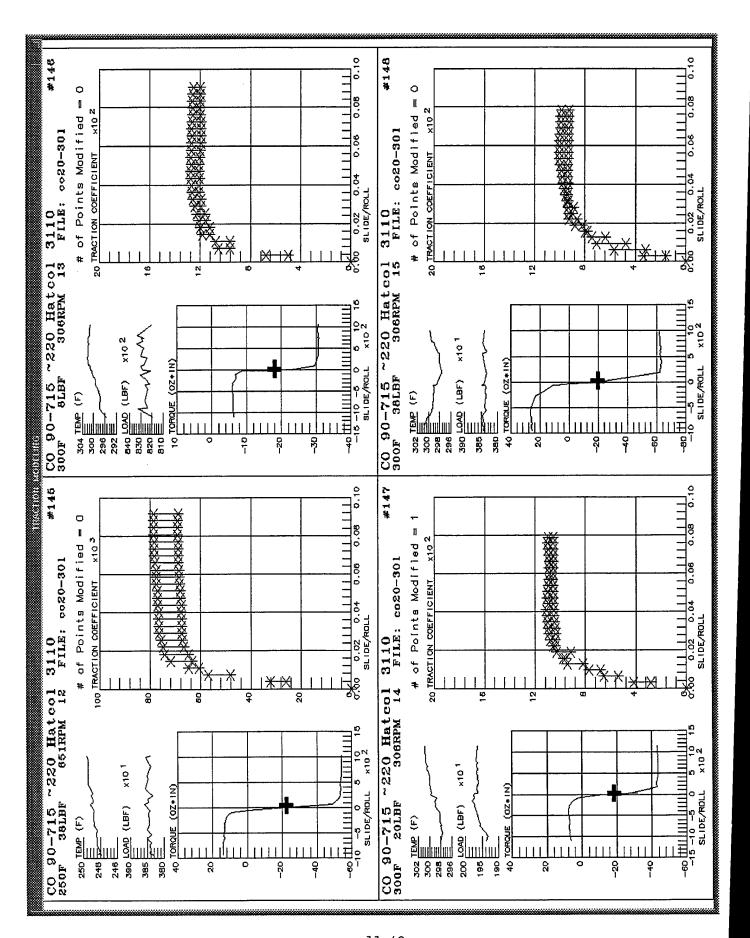


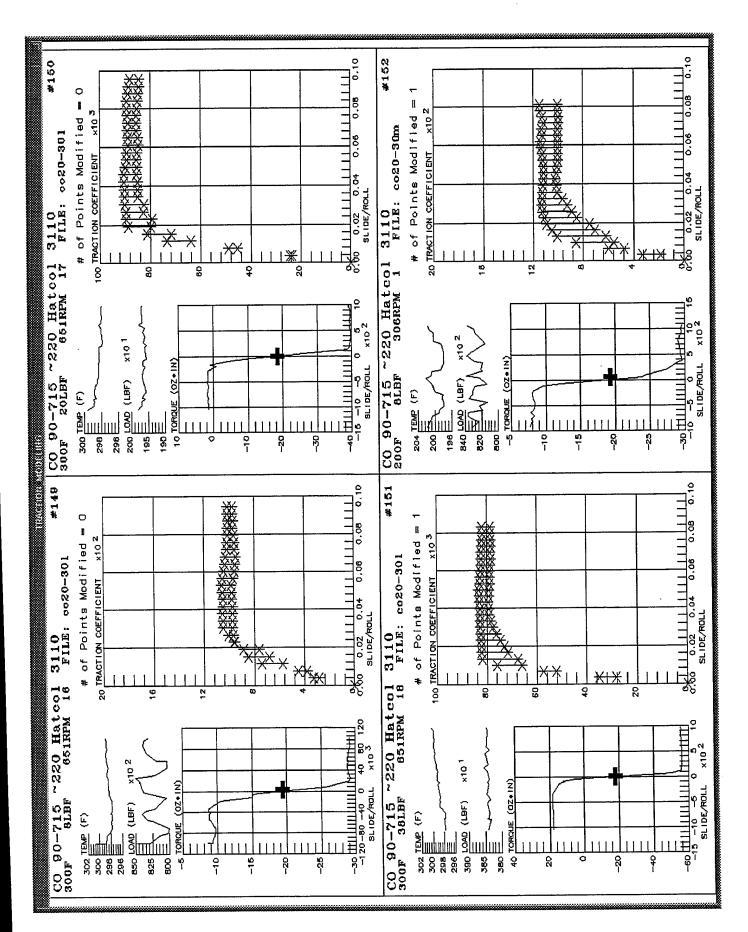


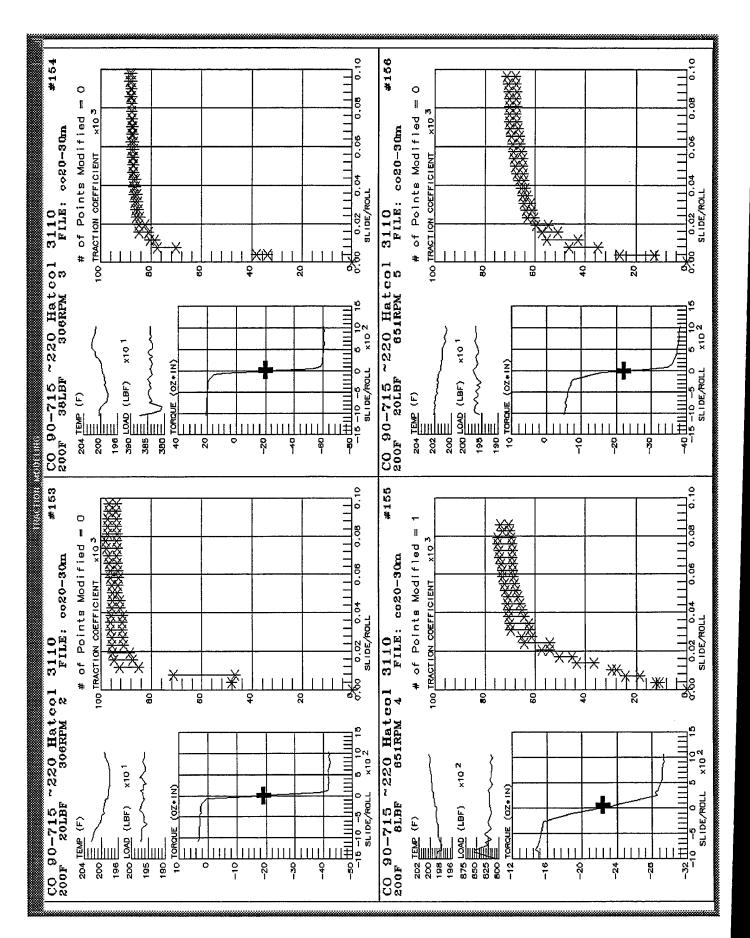


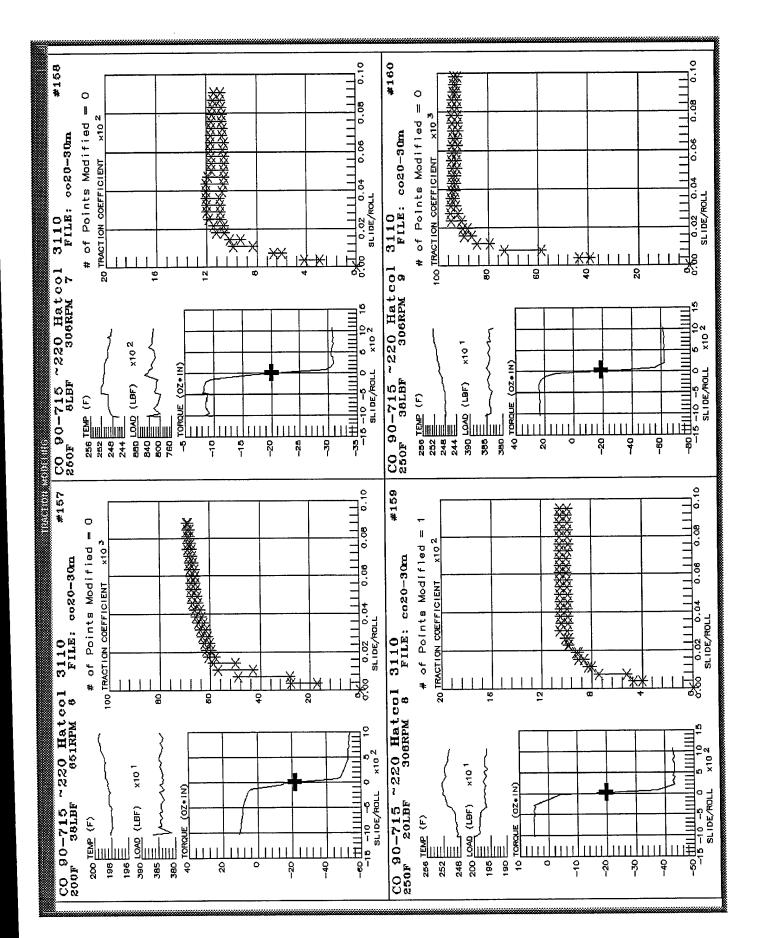


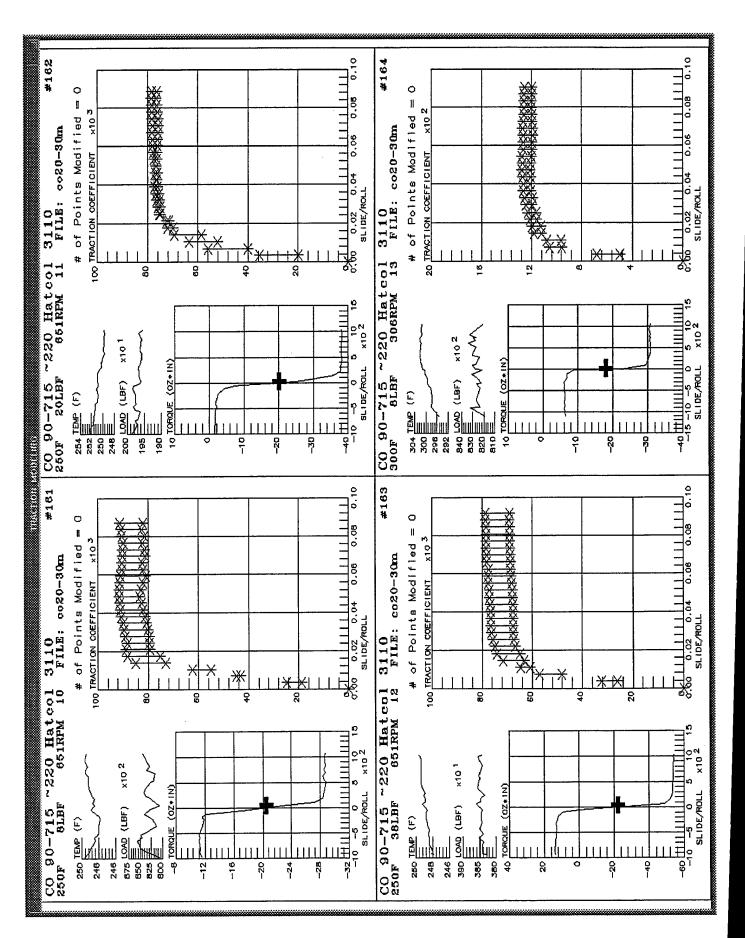


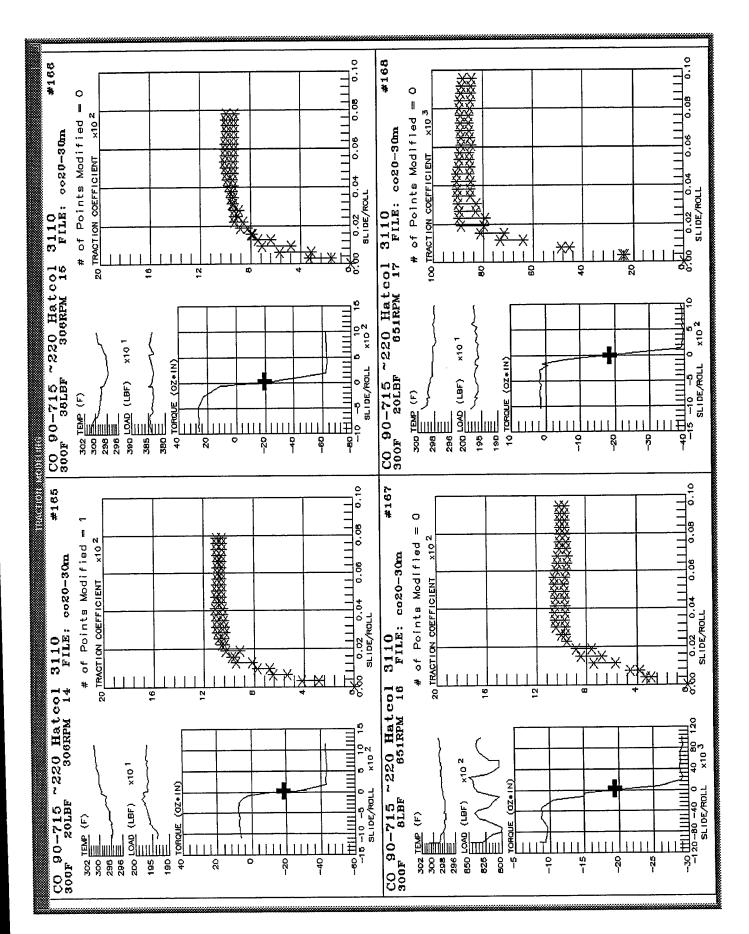


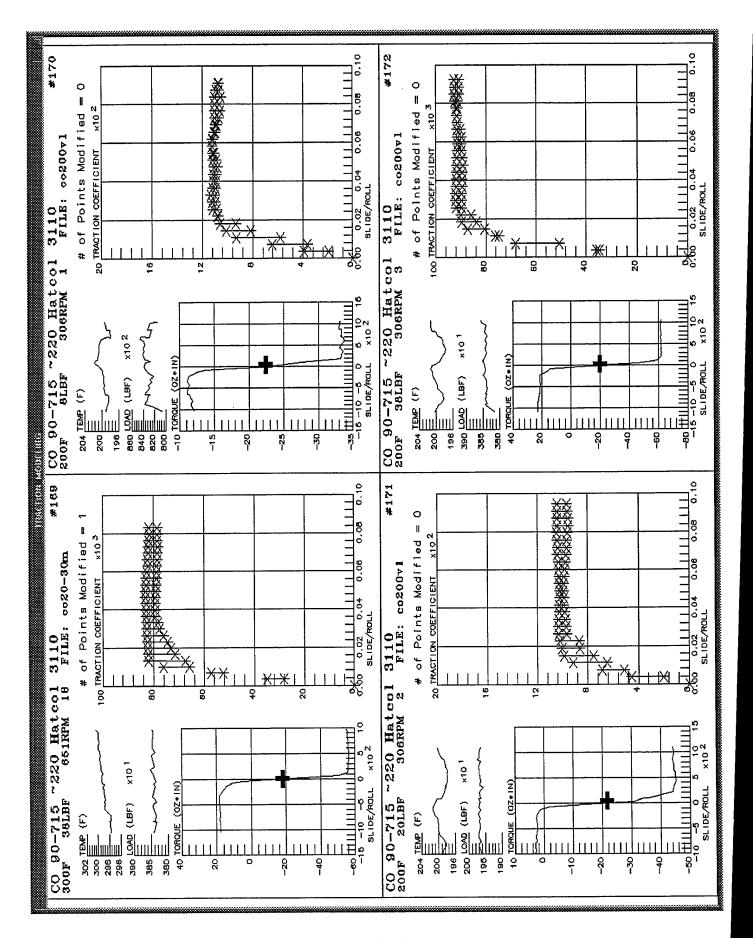


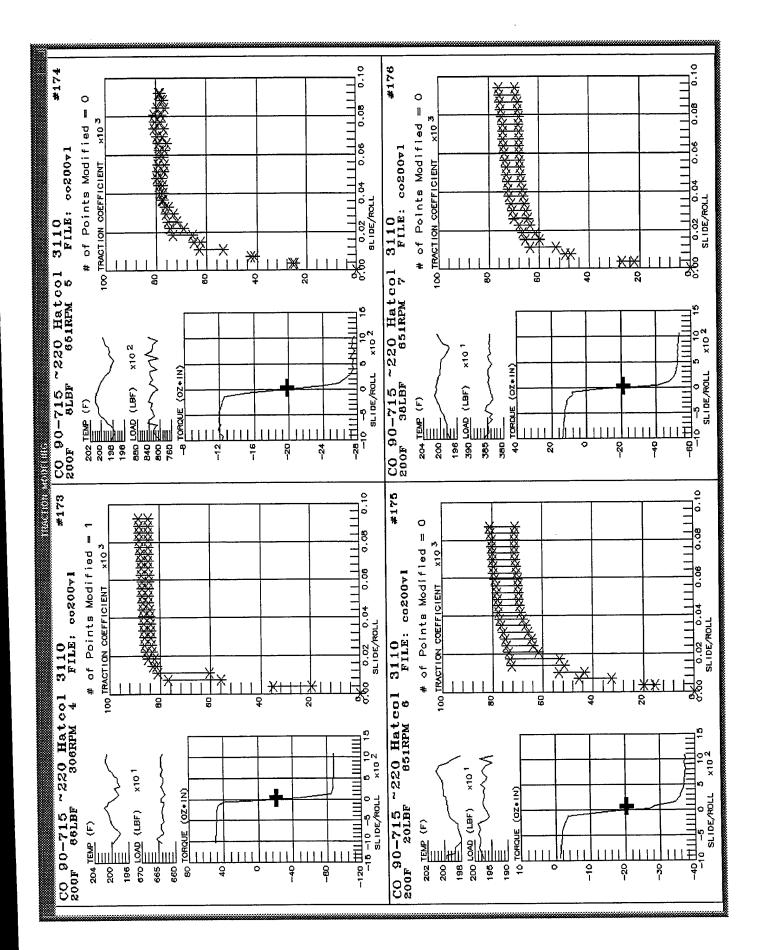


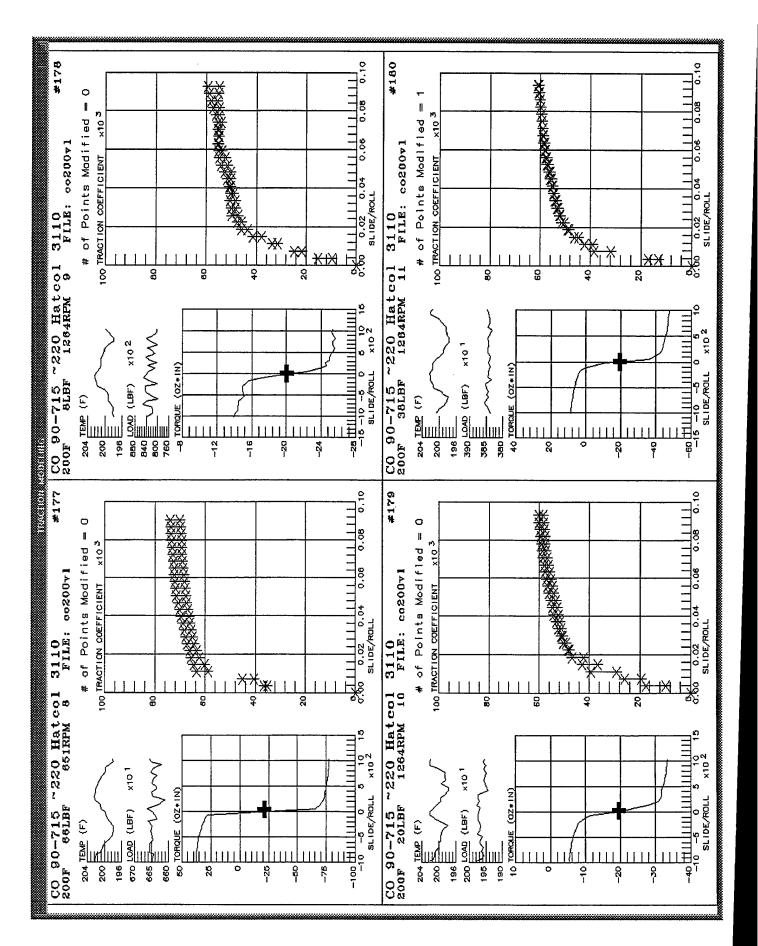


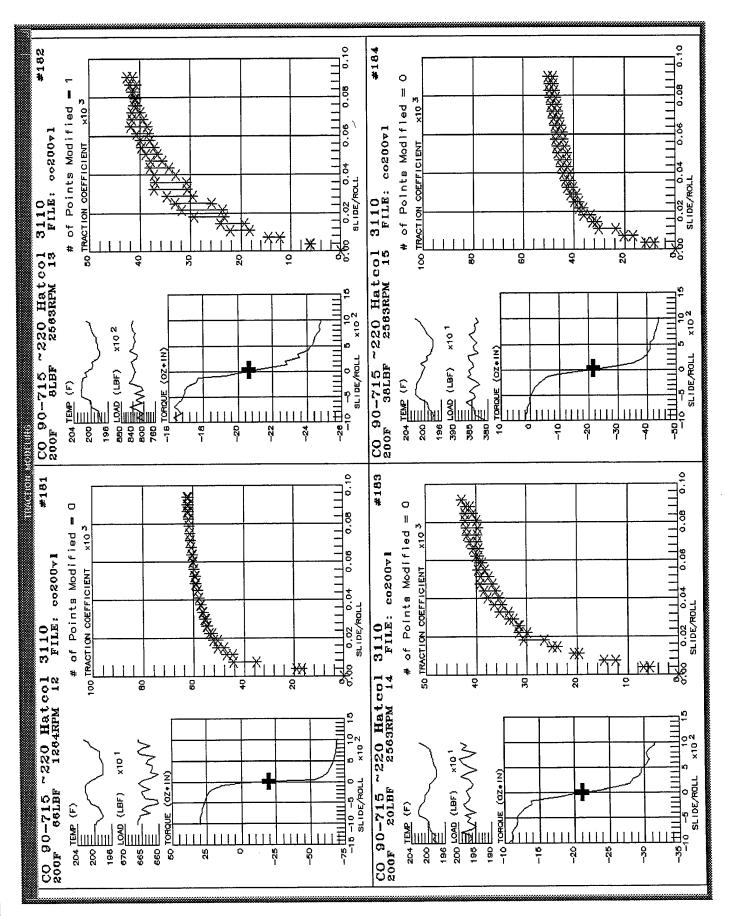


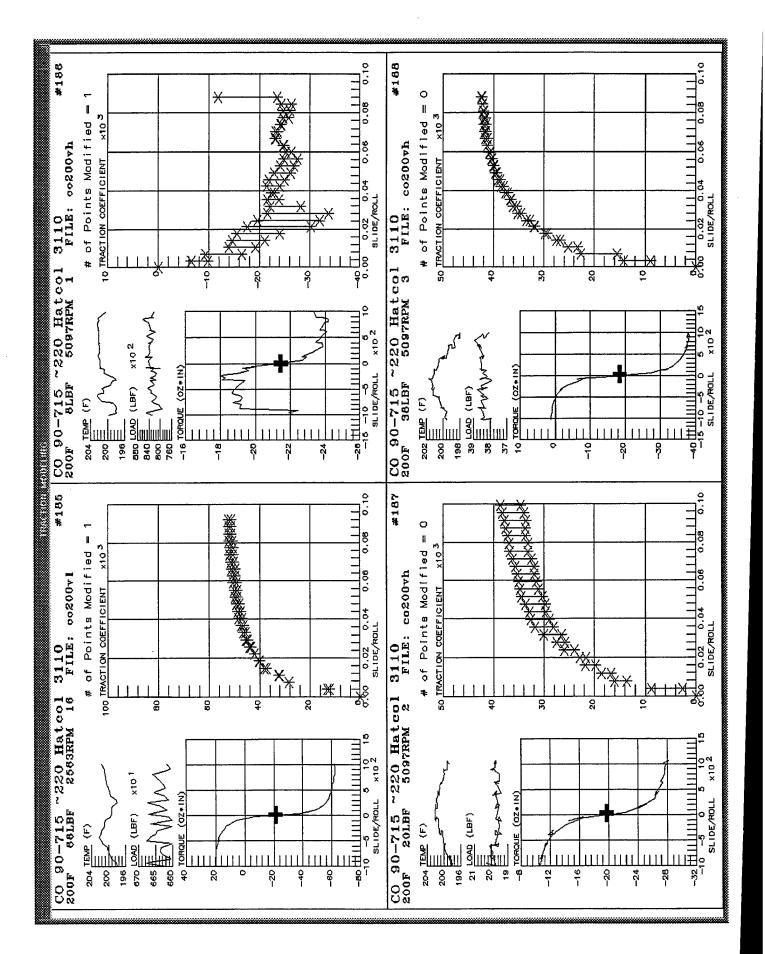


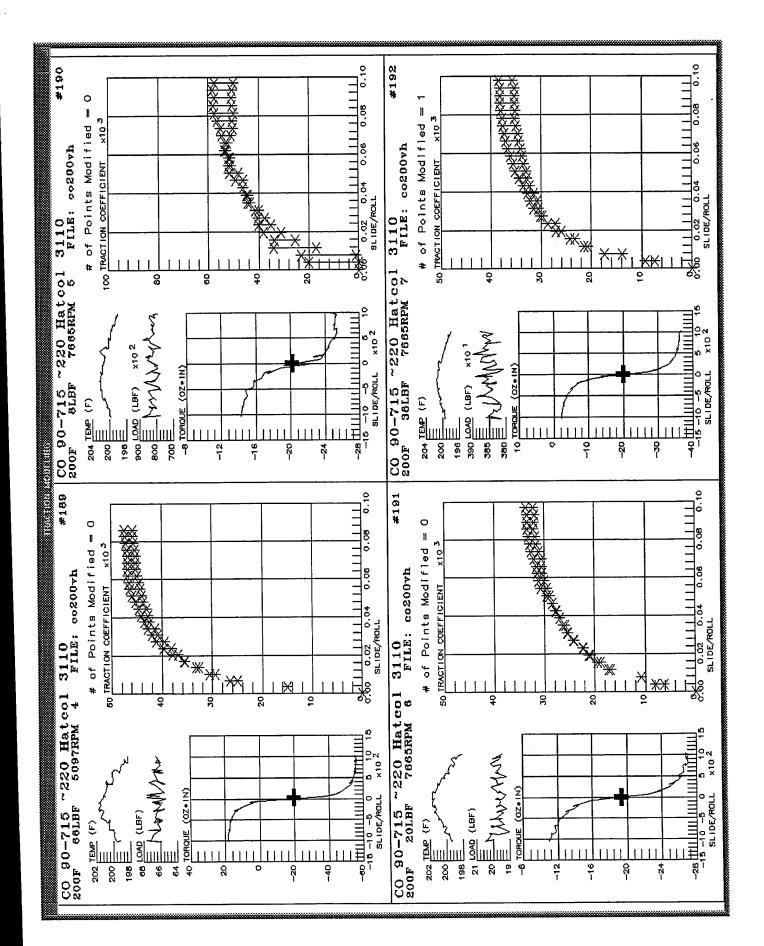


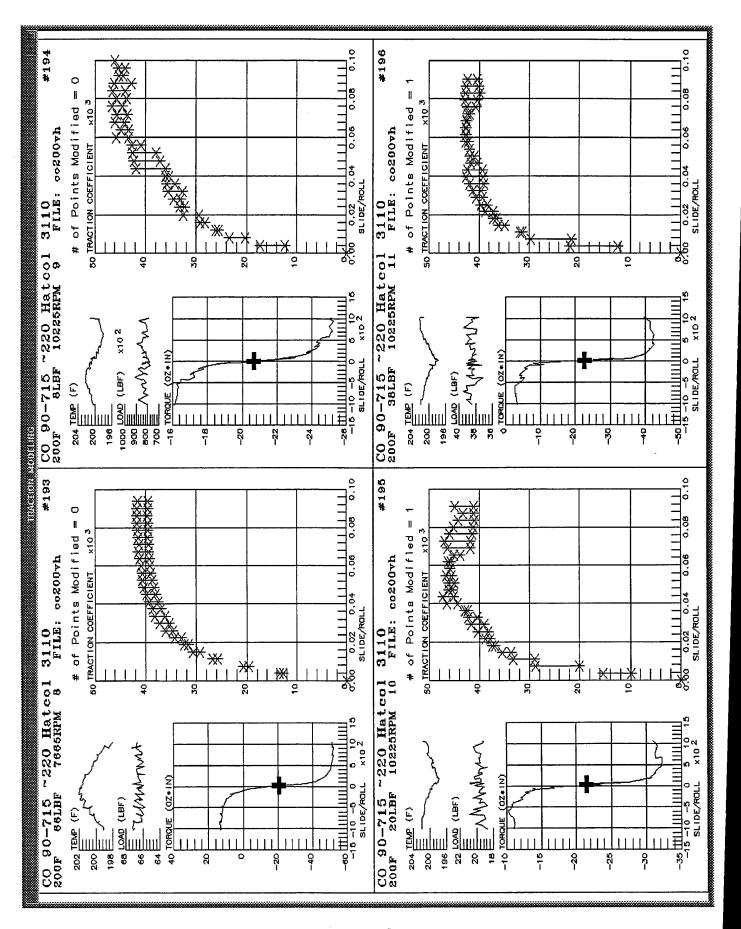


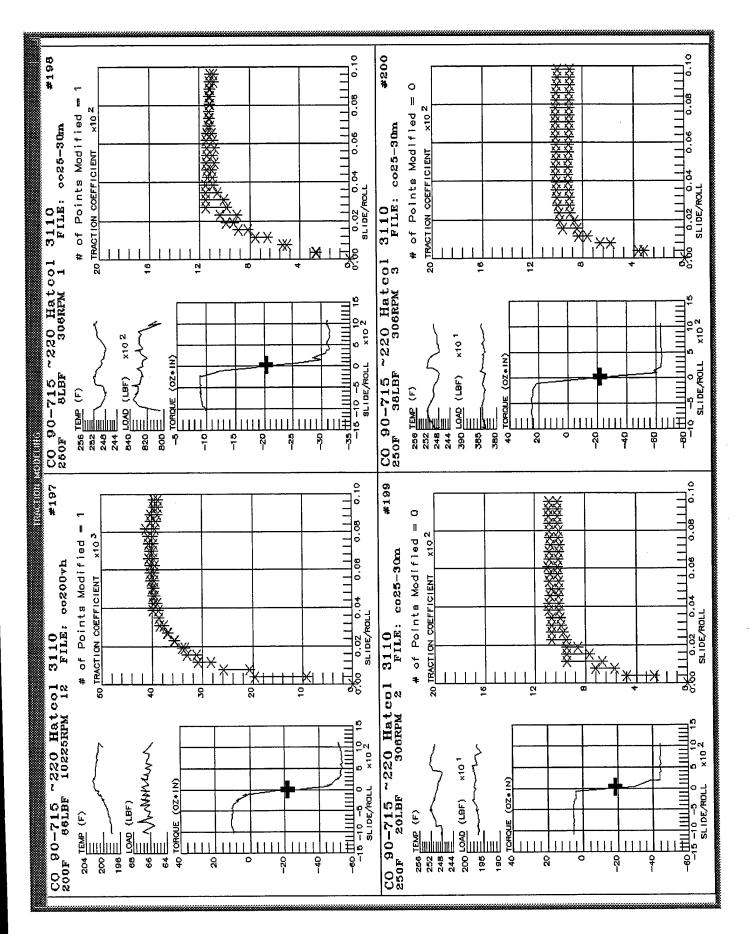


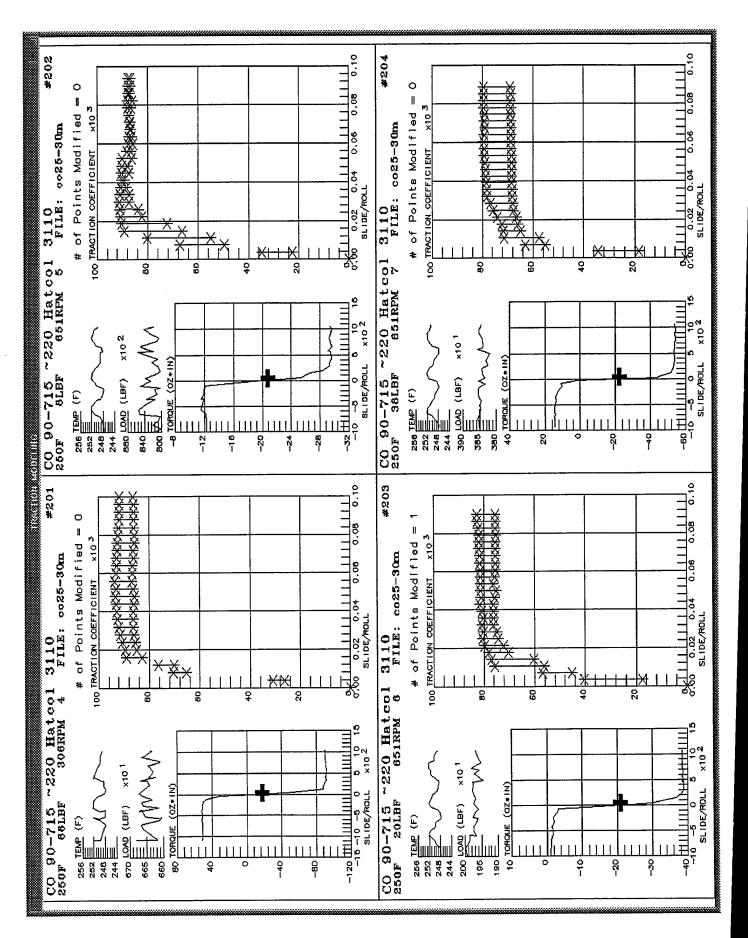


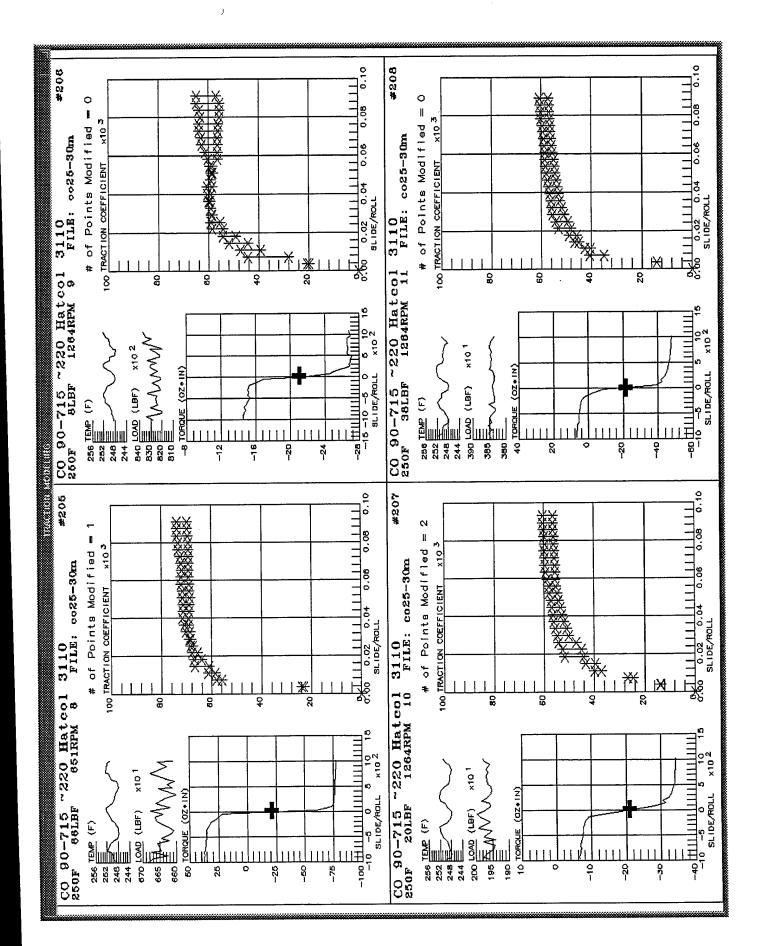


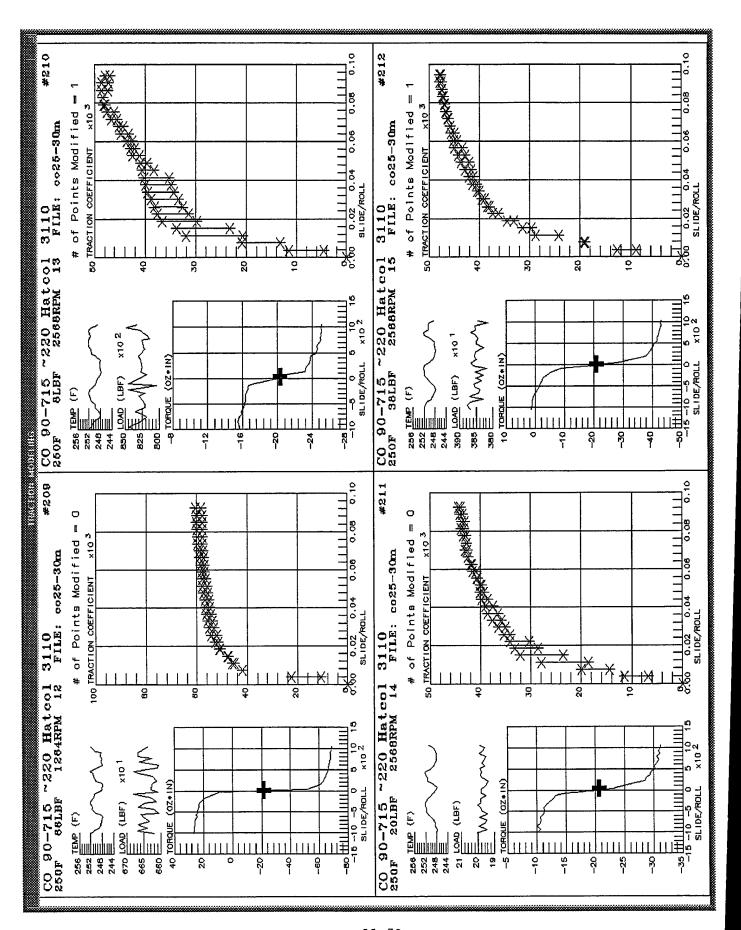


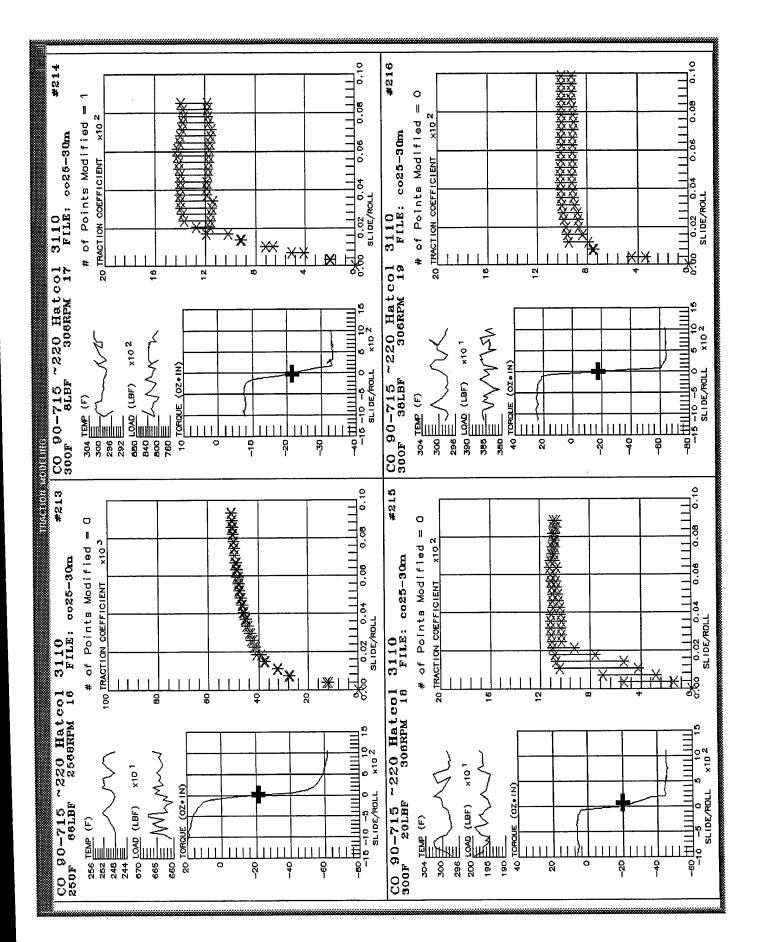


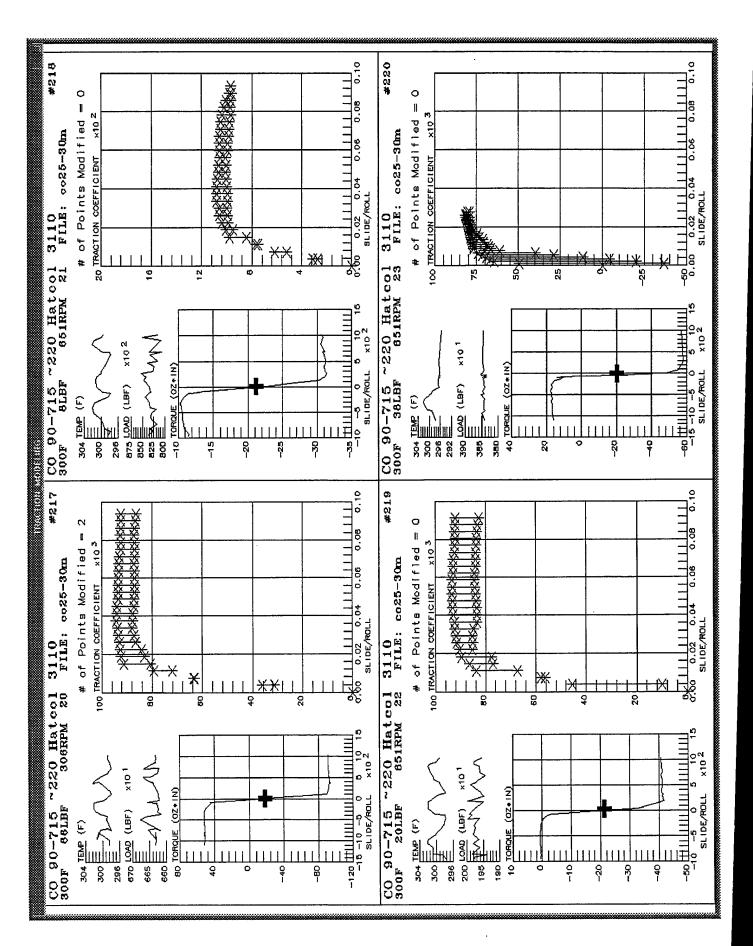


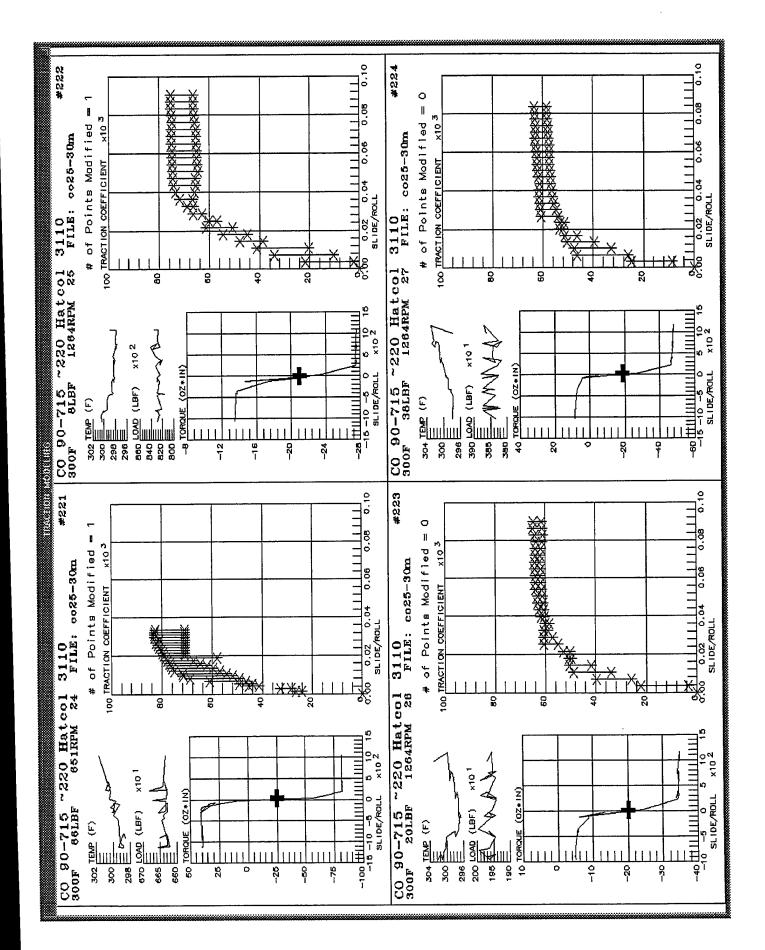


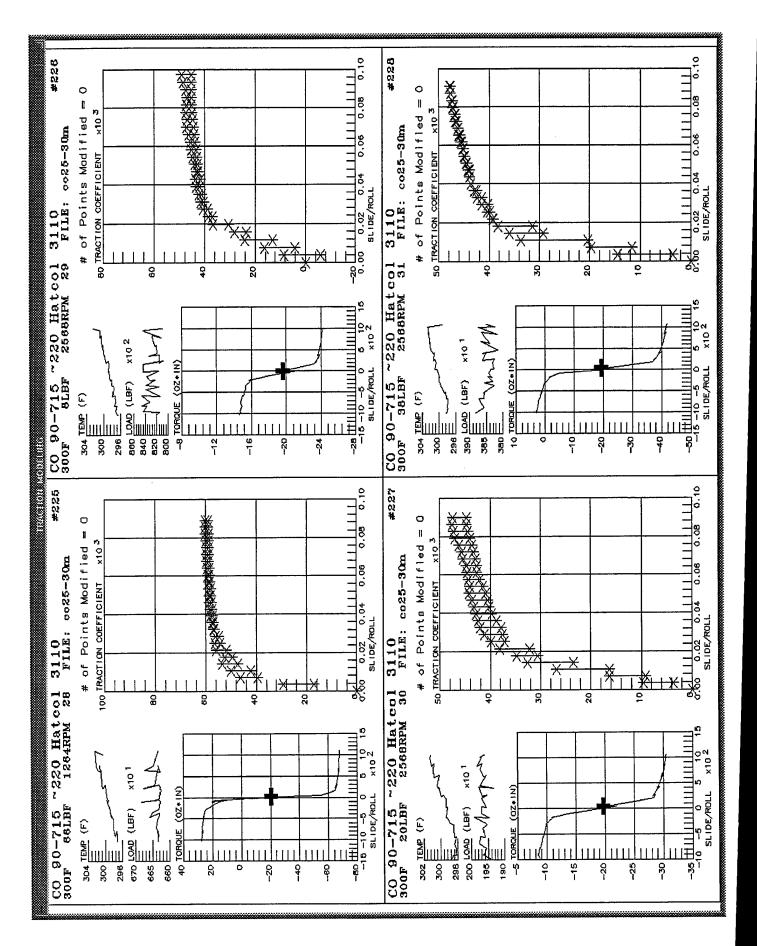


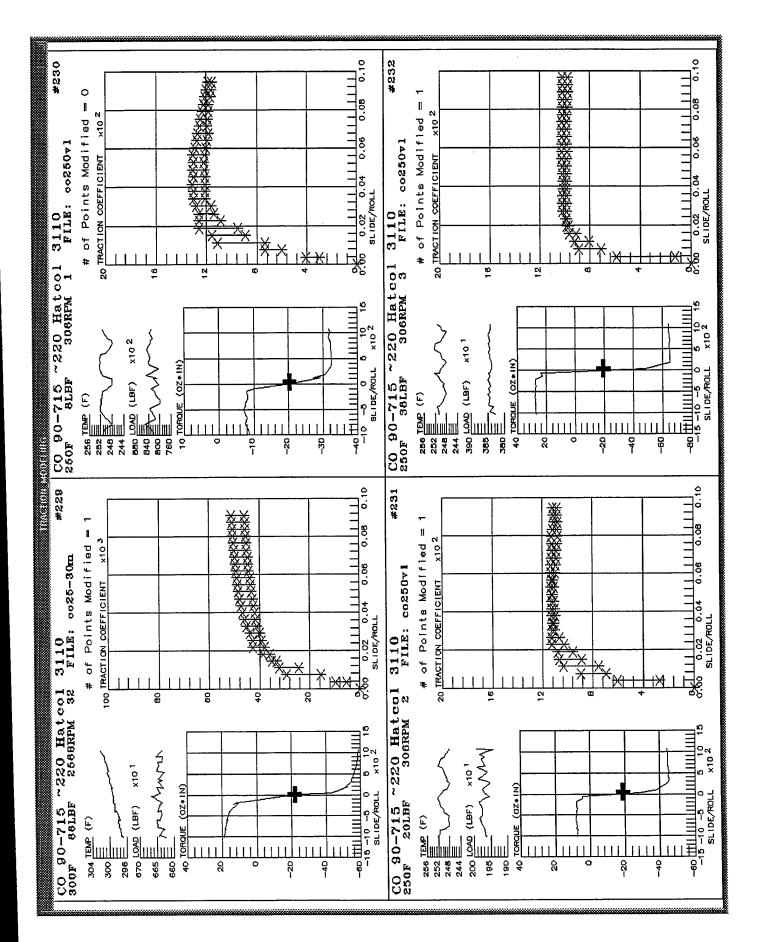


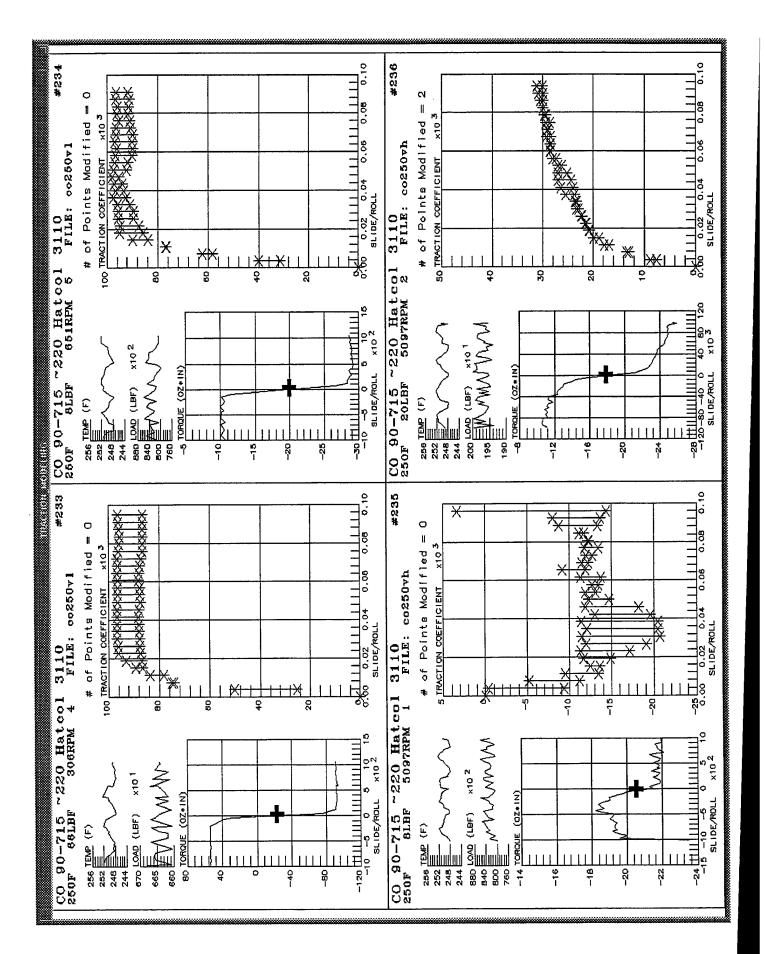


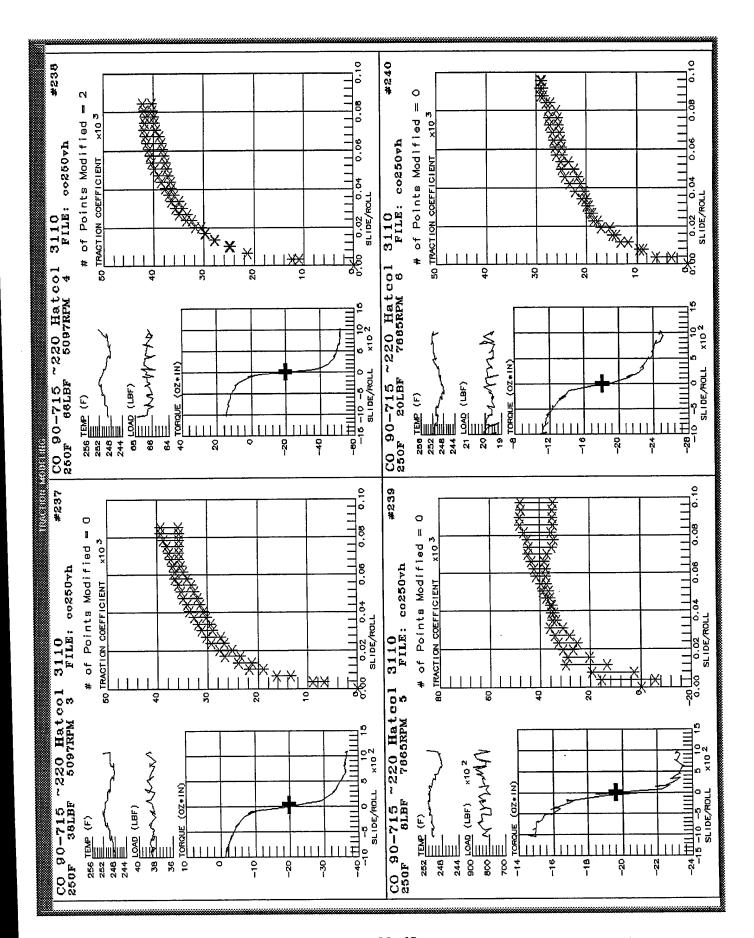


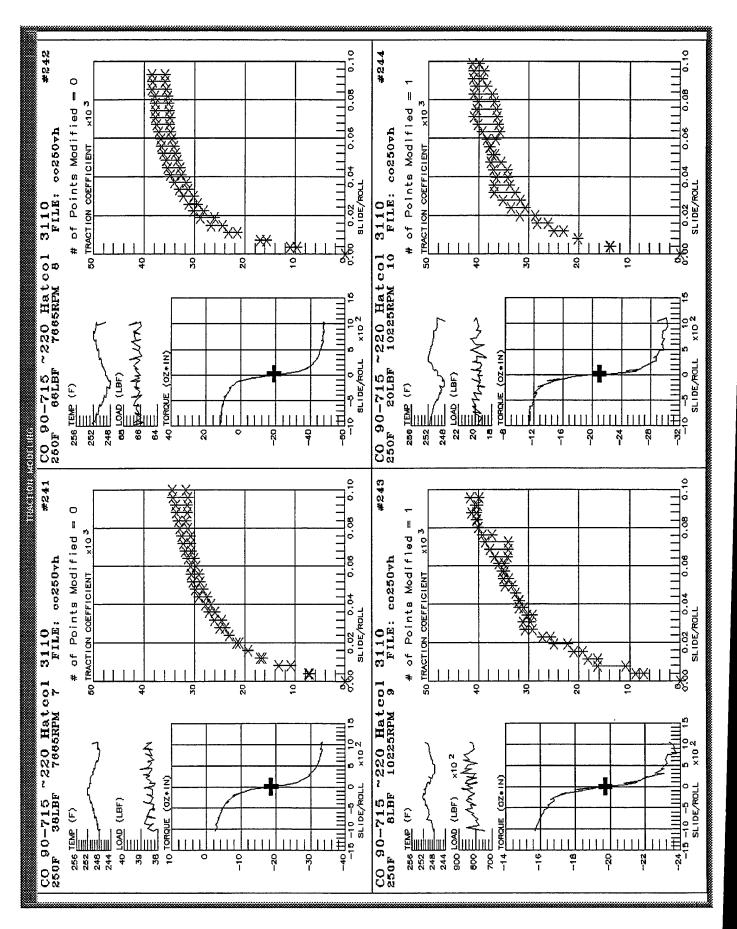


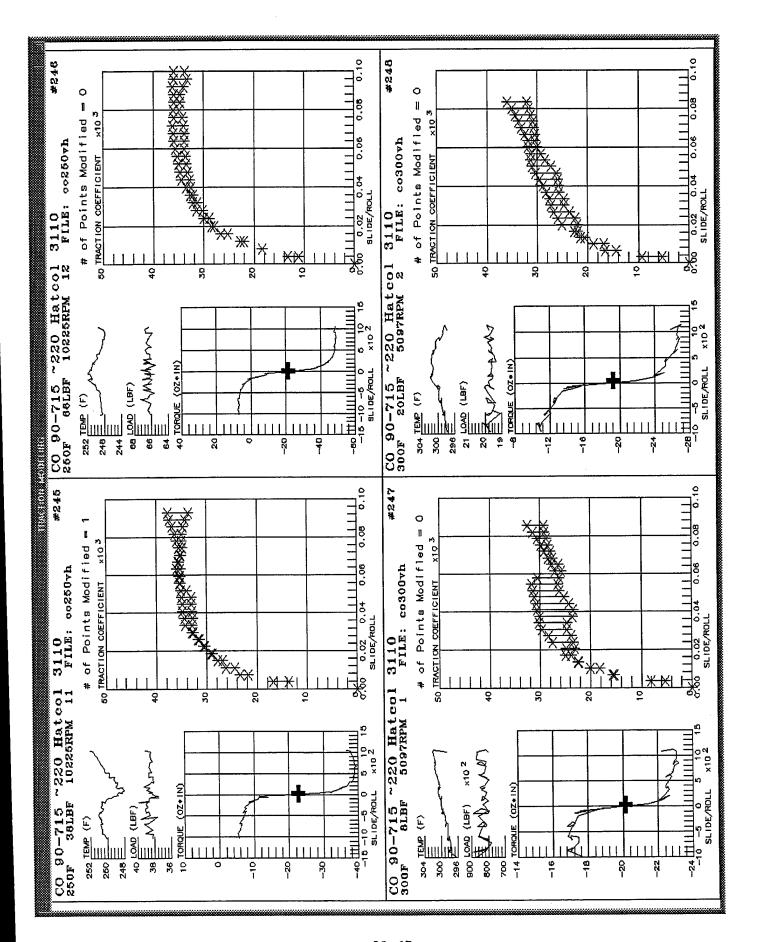


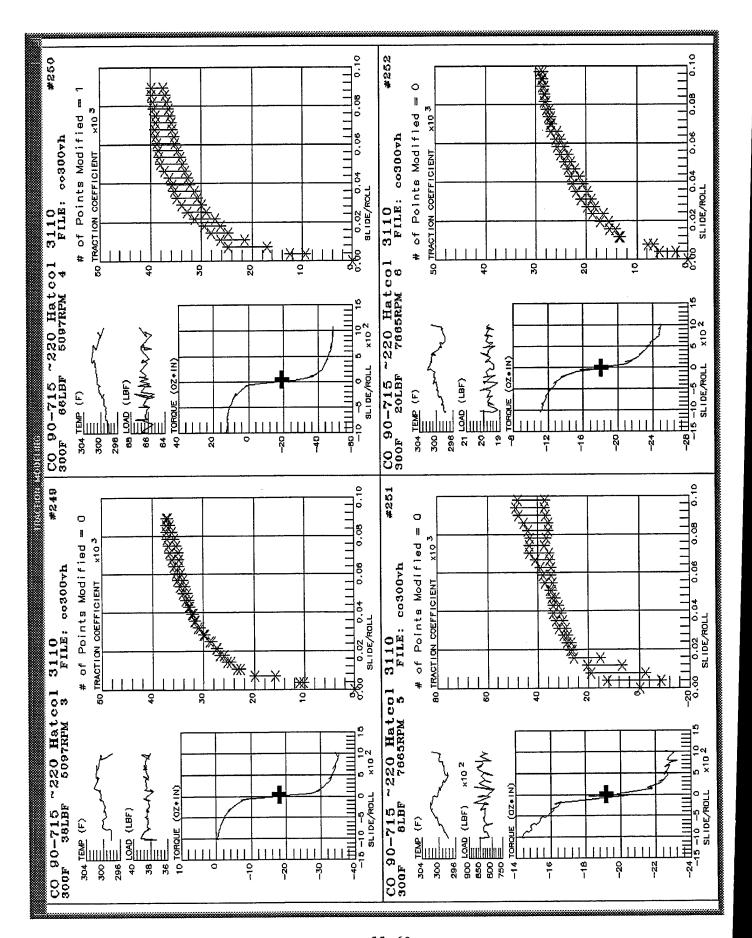


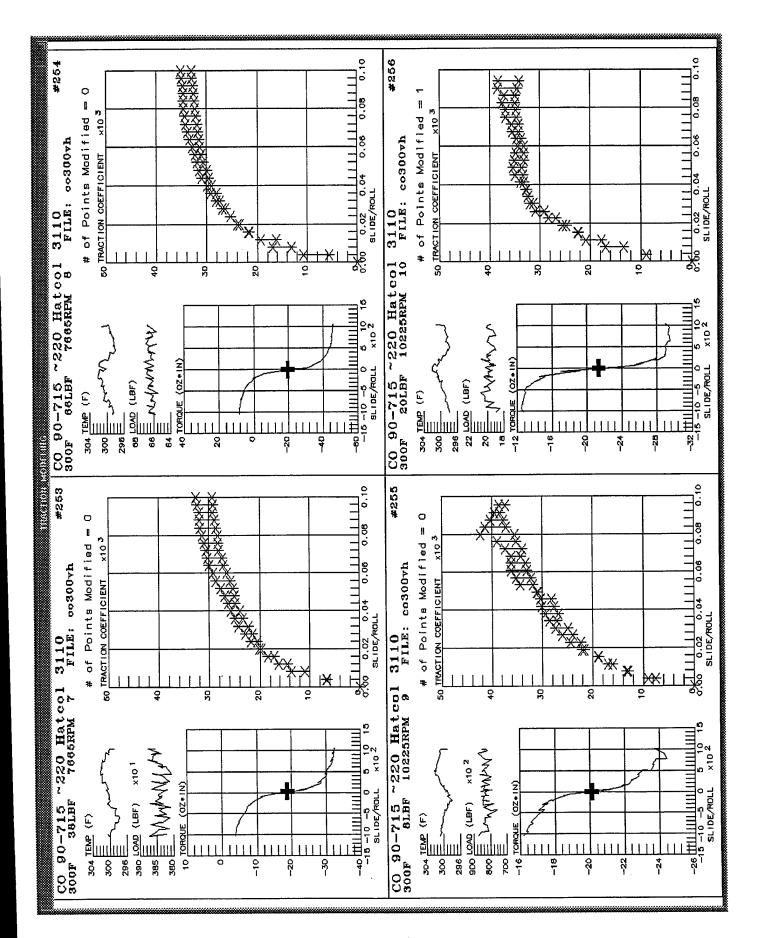


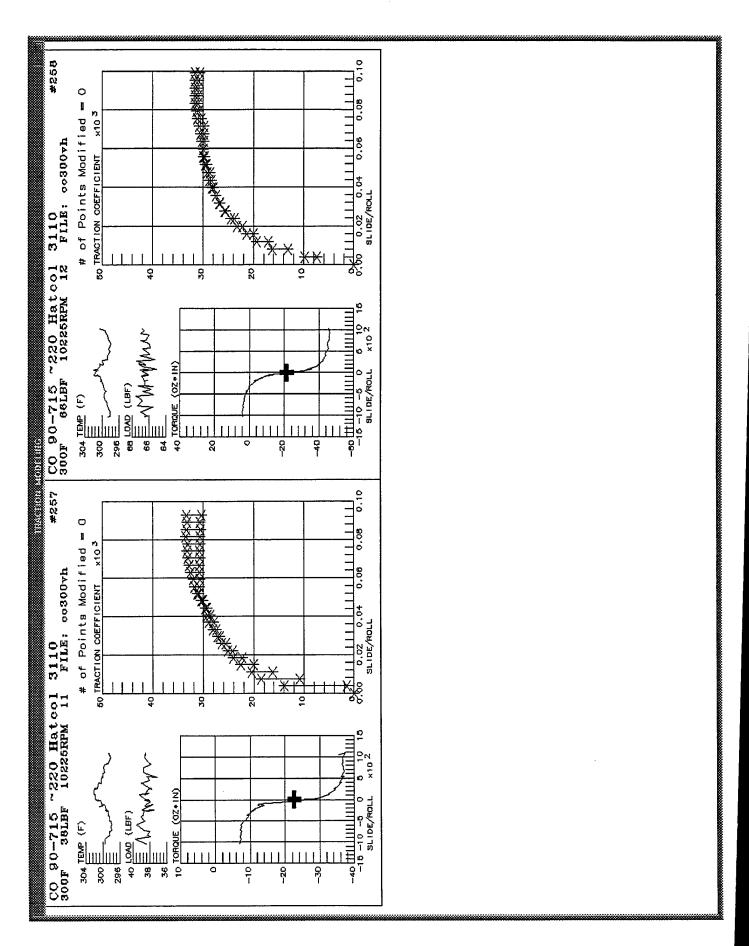






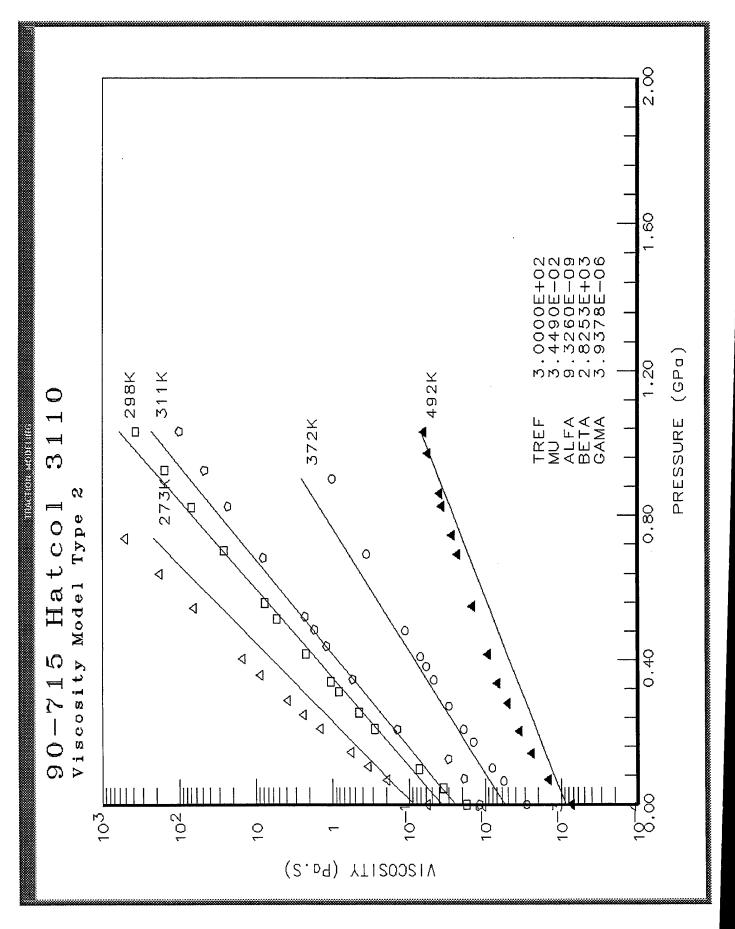


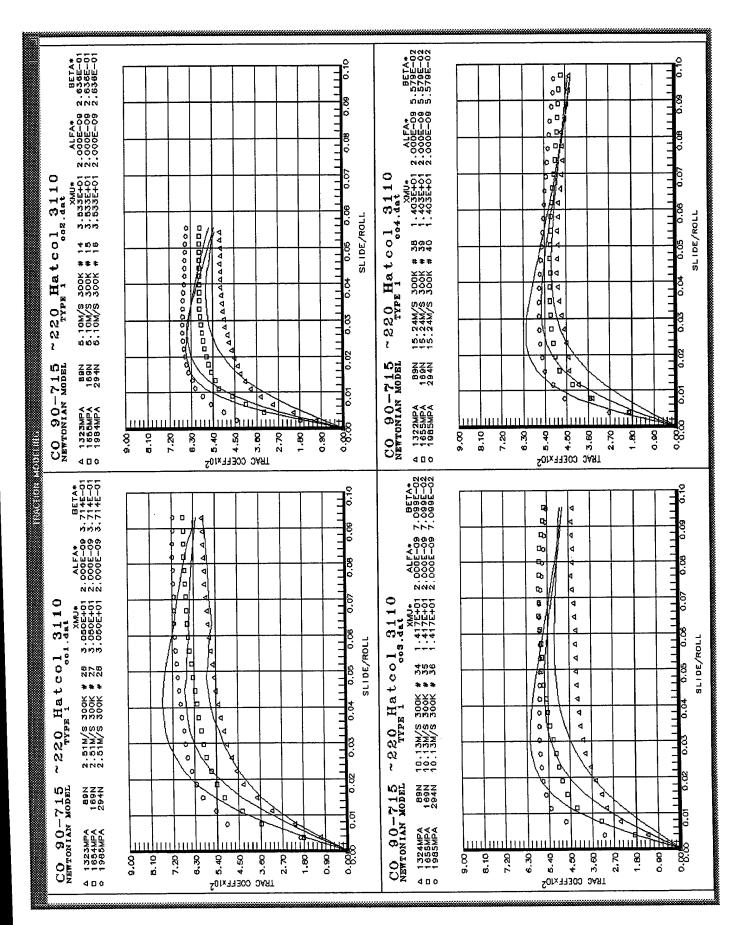


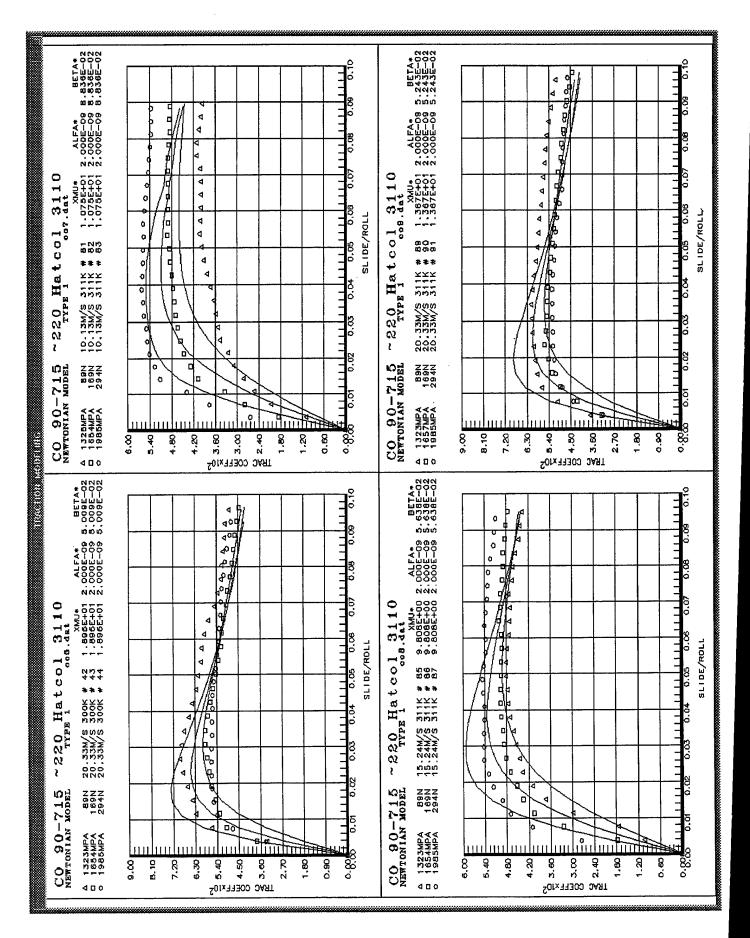


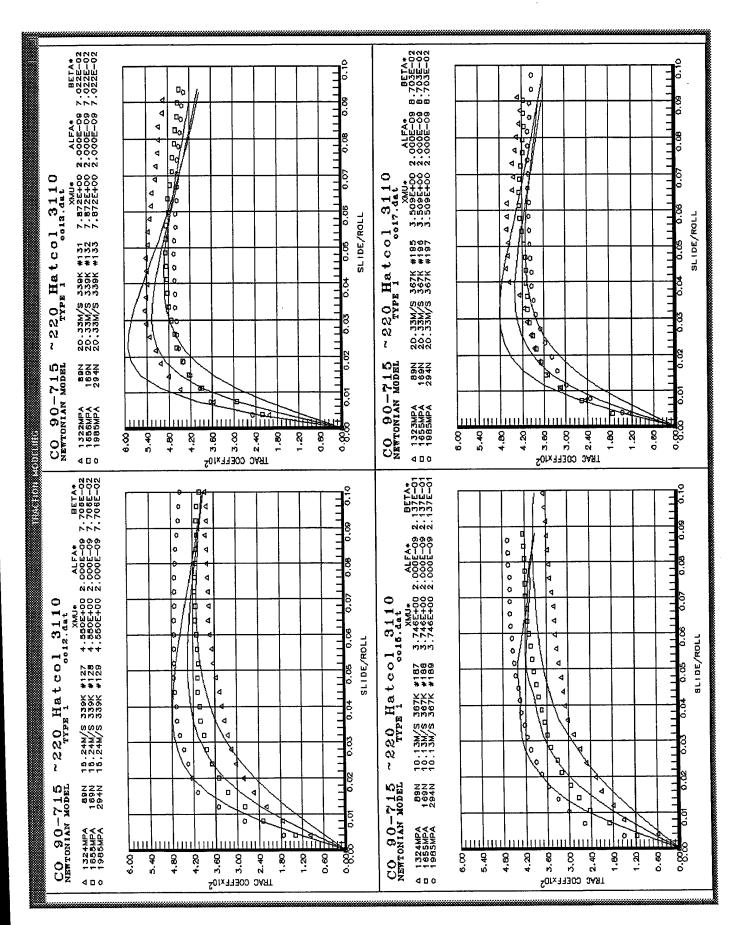
Lubricant name = CO 90-715 Hatcol 3110

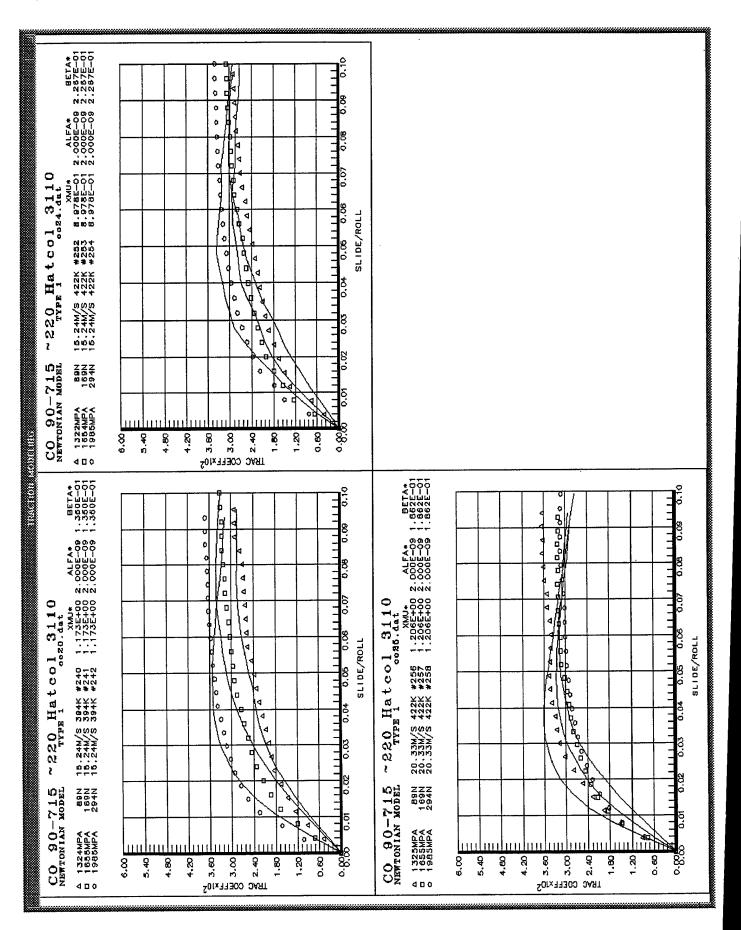
NEWTONIAN	MODEL	TYPE	1			
Dataset	Inle		Roll	XMU*	ALFA*	BETA*
Name	Tem	p V	elocity			
	(K)	(M/S)	(Pa.S)	(1/Pa)	(1/K)
co1.dat	3.0000E+0	2 2.5	132E+00	3.0499E+01	2.0000E-09	3.7136E-01
co2.dat	3.0000E+0	2 5.1	019E+00	3.5329E+01	2.0000E-09	2.6356E-01
co3.dat	3.0000E+0	2 1.0	134E+01	1.4174E+01	2.0000E-09	7.0992E-02
co4.dat	3.0000E+0		240E+01	1.4034E+01	2.0000E-09	5.5788E-02
co5.dat	3.0000E+0	2 2.0	330E+01	1.8954E+01	2.0000E-09	5.0089E-02
co7.dat	3.1111E+0	2 1.0	134E+01	1.0747E+01	2.0000E-09	8.8362E-02
co8.dat	3.1111E+0	2 1.5	240E+01	9.8080E+00	2.0000E-09	5.6376E-02
co9.dat	3.1111E+0	2 2.0	330E+01	1.3670E+01	2.0000E-09	5.2434E-02
co12.dat	3.3889E+0	2 1.5	240E+01	4.5498E+00	2.0000E-09	7.7064E-02
co13.dat	3.3889E+0	2 2.0	330E+01	7.8723E+00	2.0000E-09	7.0225E-02
co15.dat	3.6667E+0	2 1.0	134E+01	3.7456E+00	2.0000E-09	2.1373E-01
co17_dat	3.6667E+0	2 2.0	330E+01	3.5092E+00	2.0000E-09	8.7032E-02
co20_dat	3.9444E+0	2 1.5	240E+01	1.1735E+00	2.0000E-09	1.3496E-01
co24.dat	4.2222E+0	2 1.5	240E+01	8.9781E-01	2.0000E-09	2.2666E-01
co25.dat	4.2222E+0	2 2.0	330E+01	1.2060E+00	2.0000E-09	1.8619E-01











12. Traction Data Set K: 90-715 Hatcol 3110/2

Data set name: CP 90-715 ~300 Hatcol 3110 Rolling radii [Disks 1 & 2] (in): 0.74 0.74 Crown radii [Disks 1 & 2] (in): 9.00 6.80

Number of data sets found = 232

	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	C Load1	alibra Load2	tion F Rpm1	actors Rpm2	Torq	SqDev	Dataset/Test #
	00.00	7.74	290.00	330.00	310.00	30	0.71	1.49	1.00	1.00	1.00	2.43E-05	cp80l #1
1	80.00	18.39	290.00	330.00	310.00	30	0.71	1.49	1.00	1.00	1.00	1.97E-05	cp801 #2
2	80.00		290.00	330.00	310.00	25	0.71	1.49	1.00	1.00	1.00	1.84E-05	cp801 #3
3	80.00	35.93	290.00	330.00	310.00	28	0.71	1.49	1.00	1.00	1.00	7.35E-05	cp80l #4
4	80.00	62.05	290.00	330.00	310.00	28	0.71	1.49	1.00	1.00	1.00	2.38E-05	cp80l #5
5	80.00	98.62 7.74	620.00	700.00	660.00	30	0.71	1.49	1.00	1.00	1.00	7.87E-06	cp80l #6
6	80.00	18.39	620.00	700.00	660.00	30	0.71	1.49	1.00	1.00	1.00	3.37E-06	cp80l #7
7	80.00	35.93	620.00	700.00	660.00	30	0.71	1.49	1.00	1.00	1.00	6.19E-05	cp80l #8
8	80.00	62.05	620.00	700.00	660.00	30	0.71	1.49	1.00	1.00	1.00	6.44E-05	cp801 #9
9	80.00	98.62	620.00	700.00	660.00	30	0.71	1.49	1.00	1.00	1.00	2.55E-04	cp80l #10
10	80.00	7.74	1215.00	1345.00	1280.00	27	0.71	1.49	1.00	1.00	1.00	1.08E-05	cp80l #11
11	80.00	18.39	1215.00	1345.00	1280.00	28	0.71	1.49	1.00	1.00	1.00	9.60E-06	cp80l #12
12	80.00	35.93	1215.00	1345.00	1280.00	29	0.71	1.49	1.00	1.00	1.00	4.63E-06	cp80L #13
13	80.00	62.05	1215.00	1345.00	1280.00	29	0.71	1.49	1.00	1.00	1.00	4.32E-05	cp80l #14
14	80.00	98.62	1215.00	1345.00	1280.00	26	0.71	1.49	1.00	1.00	1.00	1.21E-05	cp801 #15
15	80.00		290.00	330.00	310.00	29	0.71	1.49	1.00	1.00	1.00	9.32E-05	cp80lx #1
16	80.00	147.11	620.00	700.00	660.00	30	0.71	1.49	1.00	1.00	1.00	2.12E-04	cp80lx #2
17	80.00	147.11	1215.00	1345.00	1280.00	30	0.71	1.49	1.00	1.00	1.00	2.12E-04	cp80lx #3
18	80.00	147.11	2470.00	2735.00	2602.50	46	0.71	1.49	1.00	1.00	1.00	2.19E-05	cp80m #1
19	80.00	7.74	2470.00	2735.00	2602.50	46	0.71	1.49	1.00	1.00	1.00	1.30E-05	cp80m #2
20	80.00	18.39	2470.00	2735.00	2602.50	47	0.71	1.49	1.00	1.00	1.00	1.04E-05	cp80m #3
21	80.00	35.93	2470.00	2735.00	2602.50	50	0.71	1.49	1.00	1.00	1.00	1.49E-05	cp80m #4
22	80.00	62.05	2470.00	2735.00	2602.50	48	0.71	1.49	1.00	1.00	1.00	1.04E-05	cp80m #5
23	80.00	98.62 7.74	4900.00	5430.00	5165.00	48	0.71	1.49	1.00	1.00	1.00	8.14E-05	cp80m #6
24	80.00	18.39	4900.00	5430.00	5165.00	49	0.71	1.49	1.00	1.00	1.00	7.31E-06	cp80m #7
25	80.00		4900.00	5430.00	5165.00	49	0.71	1.49	1.00	1.00	1.00	2.94E-05	cp80m #8
26	80.00	35.93 62.05	4900.00	5430.00	5165.00	48	0.71	1.49	1.00	1.00	1.00	2.14E-05	cp80m #9
27	80.00	98.62	4900.00	5430.00	5165.00	50	0.71	1.49	1.00	1.00	1.00	2.65E-05	cp80m #10
28	80.00 80.00	147.11	2470.00	2735.00	2602.50	46	0.71	1.49	1.00	1.00	1.00	3.45E-05	cp80mx #1
29 30	80.00	147.11	4900.00	5430.00	5165.00	47	0.71	1.49	1.00	1.00	1.00	2.45E-05	cp80mx #2
31	80.00	18.39	7370.00	8170.00	7770.00	47	0.71	1.49	1.00	1.00	1.00	6.12E-05	cp80h #1
32	80.00	35.93	7370.00	8170.00	7770.00	43	0.71	1.49	1.00	1.00	1.00	5.94E-06	cp80h #2
33	80.00	62.05	7370.00	8170.00	7770.00	46	0.71	1.49	1.00	1.00	1.00	1.76E-05	cp80h #3
34	80.00	98.62	7370.00	8170.00	7770.00	50	0.71	1.49	1.00	1.00	1.00	8.33E-06	cp80h #4
35	80.00	18.39	9860.00	10880.00	10370.00	49	0.71	1.49	1.00	1.00	1.00	6.87E-05	cp80h #5
36	80.00	35.93	9860.00	10880.00	10370.00	48	0.71	1.49	1.00	1.00	1.00	1.43E-04	cp80h #6
37	80.00	62.05	9860.00	10880.00	10370.00	49	0.71	1.49	1.00	1.00	1.00	4.05E-05	cp80h #7 cp80h #8
38	80.00	98.62	9860.00	10880.00	10370.00	50	0.71	1.49	1.00	1.00	1.00	6.69E-05	cp80hxx #1
39	80.00	18.39	7370.00	8170.00	7770.00	6	0.71	1.49	1.00	1.00	1.00	1.18E-05	cp80hxx #2
40	80.00	35.93	7370.00	8170.00	7770.00	43	0.71	1.49	1.00	1.00	1.00	5.94E-06	
41	80.00	62.05	7370.00	8170.00	7770.00	3	0.71	1.49	1.00	1.00	1.00	7.96E-05	cp80hxx #3 cp80hxx #5
42	80.00	18.39	9860.00	10880.00	10370.00	18	0.71	1.49	1.00	1.00	1.00	9.76E-03	cp100l #1
43	100.00	7.74	290.00	330.00	310.00	28	0.71	1.49	1.00	1.00	1.00	1.31E-04	cp1001 #2
44	100.00	18.39	290.00	330.00	310.00	30	0.71	1.49	1.00	1.00	1.00	1.25E-05 2.70E-05	cp1001 #2
45	100.00	35.93	290.00	330.00	310.00	29	0.71	1.49	1.00	1.00		7.55E-05	cp1001 #4
46	100.00	62.05	290.00	330.00	310.00	28	0.71	1.49	1.00	1.00	1.00	1.13E-04	cp1001 #5
47	100.00	98.62	290.00	330.00	310.00	29	0.71	1.49	1.00	1.00 1.00	1.00	1.78E-05	cp1001 #6
48	100.00	7.74	620.00	700.00	660.00	29	0.71	1.49	1.00	1.00	1.00	1.83E-06	cp1001 #7
49	100.00	18.39	620.00	700.00	660.00	29	0.71	1.49	1.00	1.00	1.00	7.76E-06	cp100l #8
50	100.00	35.93	620.00	700.00	660.00	30	0.71	1.49	1.00	1.00			

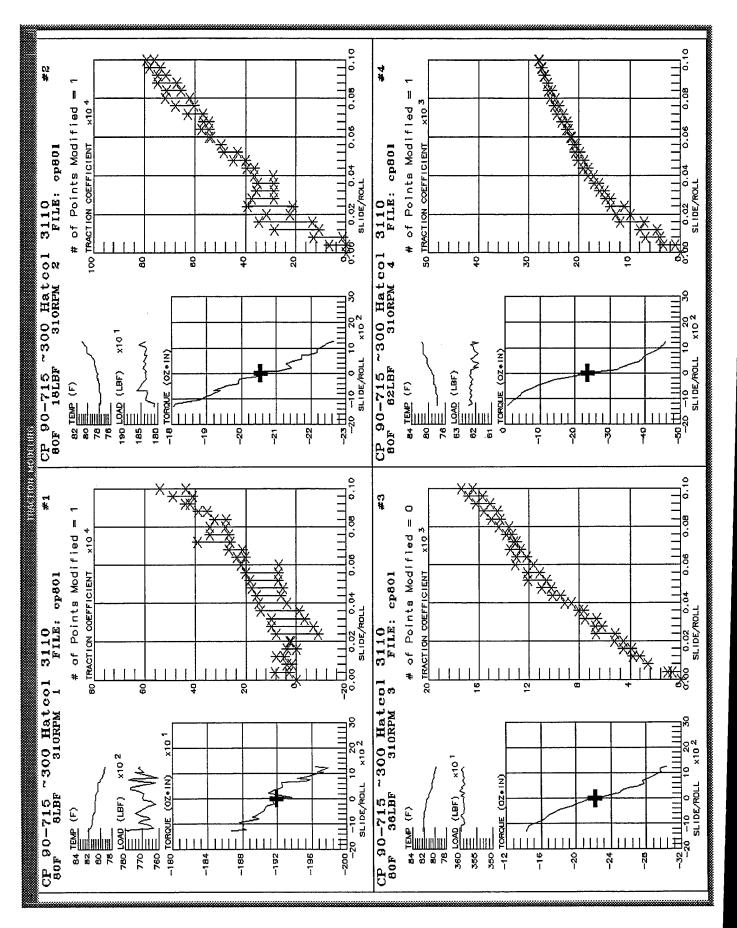
51 100.00 62.05 620.00 700.00 660.00 30 0.71 1.49 1.00 1.00 1.00 9.05E-06 cp100l #9 52 100.00 98.62 620.00 700.00 660.00 30 0.71 1.49 1.00 1.00 1.00 1.00 1.00E-05 cp100l #10 53 100.00 7.74 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 1.01 1.12E-05 cp100l #11 54 100.00 18.39 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 1.02 1.29E-06 cp100l #13 55 100.00 35.93 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 1.00 2.10E-06 cp100l #13 56 100.00 62.05 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 7.14E-06 cp100l #14 57 100.00 98.62 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 1.00 7.3EE-05 cp100l #15 58 100.00 147.11 290.00 330.00 310.00 29 0.71 1.49 1.00 1.00 1.00 1.02 7.3EE-05 cp100l #15 59 100.00 147.11 620.00 700.00 660.00 30 0.71 1.49 1.00 1.00 1.00 7.3EE-05 cp100l #2 60 100.00 147.11 1 215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 7.3EE-05 cp100l #2 60 100.00 147.11 1 215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 6.94E-05 cp100l #3 61 100.00 7.74 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 7.55E-05 cp100m #2 62 100.00 18.39 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 7.55E-05 cp100m #2 63 100.00 35.93 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 7.3EE-05 cp100m #3 64 100.00 62.05 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 7.3EE-05 cp100m #3 65 100.00 35.93 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 1.00 7.23E-05 cp100m #8 66 100.00 7.74 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 1.00 7.23E-05 cp100m #8 67 100.00 18.39 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 1.00 7.23E-05 cp100m #8 68 100.00 35.93 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 7.40E-06 cp100m #8 69 100.00 62.05 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 7.40E-06 cp100m #8 69 100.00 147.11 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 7.40E-06 cp100m #8 69 100.00 147.11 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 1.00 3.59E-05 cp100m #1 71 100.00 147.11 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 5.54E-05 cp10	#
100.00	
54 100.00 18.39 1215.00 1345.00 1280.00 29 0.71 1.49 1.00 1.00 1.00 1.29E-06 cp1001 #12 55 100.00 35.93 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 2.10E-06 cp1001 #13 56 100.00 62.05 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 7.14E-06 cp1001 #14 57 100.00 98.62 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 7.32E-05 cp1001 #15 58 100.00 147.11 290.00 330.00 310.00 29 0.71 1.49 1.00 1.00 1.00 7.32E-05 cp1001 #15 59 100.00 147.11 620.00 700.00 660.00 30 0.71 1.49 1.00 1.00 1.00 7.32E-05 cp1001x #1 60 100.00 147.11 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 3.12E-05 cp1001x #2 60 100.00 147.11 2215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 6.94E-05 cp1001x #3 61 100.00 7.74 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 6.94E-05 cp100m #3 62 100.00 18.39 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 2.47E-05 cp100m #2 63 100.00 35.93 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 2.47E-05 cp100m #3 64 100.00 62.05 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 5.83E-06 cp100m #3 65 100.00 98.62 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 1.87E-05 cp100m #3 66 100.00 7.74 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 1.07 7.23E-05 cp100m #4 67 100.00 18.39 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 7.23E-05 cp100m #8 68 100.00 35.93 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 7.23E-05 cp100m #8 69 100.00 98.62 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 7.40E-06 cp100m #8 69 100.00 147.11 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 7.40E-06 cp100m #8 69 100.00 147.11 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 3.85E-05 cp100m #1 71 100.00 147.11 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 3.85E-05 cp100m #1 72 100.00 18.39 7370.00 8170.00 7770.00 46 0.71 1.49 1.00 1.00 1.00 5.54E-05 cp100m #2 73 100.00 18.39 7370.00 8170.00 7770.00 46 0.71 1.49 1.00 1.00 1.00 5.54E-05 cp100m #2	
55 100.00 35.93 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 2.10E-06 cp100l #13 56 100.00 62.05 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 7.14E-06 cp100l #14 57 100.00 98.62 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 7.32E-05 cp100l #15 58 100.00 147.11 290.00 330.00 310.00 29 0.71 1.49 1.00 1.00 1.00 7.32E-04 cp100lx #1 59 100.00 147.11 620.00 700.00 660.00 30 0.71 1.49 1.00 1.00 1.00 3.12E-05 cp100lx #2 60 100.00 147.11 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 6.94E-05 cp100lx #3 61 100.00 7.74 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 7.55E-05 cp100m #2 62 100.00 18.39 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 2.47E-05 cp100m #3 64 100.00 62.05 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 5.83E-06 cp100m #3 64 100.00 62.05 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 5.83E-05 cp100m #4 65 100.00 98.62 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 1.07E-05 cp100m #4 66 100.00 7.74 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 9.69E-05 cp100m #5 66 100.00 35.93 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 7.23E-05 cp100m #8 69 100.00 35.93 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 7.23E-05 cp100m #8 69 100.00 62.05 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 7.23E-05 cp100m #7 70 100.00 98.62 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 7.24E-06 cp100m #8 69 100.00 62.05 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 7.24E-06 cp100m #7 70 100.00 147.11 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 7.24E-06 cp100m #8 71 100.00 147.11 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 1.00 3.85E-05 cp100m #1 71 100.00 147.11 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 1.00 3.85E-05 cp100m #1 71 100.00 147.11 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 1.00 3.85E-05 cp100m #1 71 100.00 147.11 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 1.00 3.85E-05 cp100m #2 71 100.00 18.39 7370.00 8170.00 7770.00 46 0.71 1.49 1.00 1.00 1.00 5.54E-05 cp100h #2	
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69 100.00 62.05 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 8.23E-06 cp100m #9 70 100.00 98.62 4900.00 5430.00 5165.00 50 0.71 1.49 1.00 1.00 1.00 7.40E-06 cp100m #10 71 100.00 147.11 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 1.41E-05 cp100mx #1 72 100.00 147.11 4900.00 5430.00 5165.00 47 0.71 1.49 1.00 1.00 1.00 3.85E-05 cp100mx #2 73 100.00 18.39 7370.00 8170.00 7770.00 46 0.71 1.49 1.00 1.00 1.00 3.59E-05 cp100h #1 74 100.00 35.93 7370.00 8170.00 7770.00 46 0.71 1.49 1.00 1.00 1.00 5.54E-05 cp100h #2	
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71 100.00 147.11 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 1.41E-05 cp100mx #1 72 100.00 147.11 4900.00 5430.00 5165.00 47 0.71 1.49 1.00 1.00 1.00 3.85E-05 cp100mx #2 73 100.00 18.39 7370.00 8170.00 7770.00 46 0.71 1.49 1.00 1.00 1.00 3.59E-05 cp100h #1 74 100.00 35.93 7370.00 8170.00 7770.00 46 0.71 1.49 1.00 1.00 1.00 5.54E-05 cp100h #2	
72 100.00 147.11 4900.00 5430.00 5165.00 47 0.71 1.49 1.00 1.00 1.00 3.85E-05 cp100mx #2 73 100.00 18.39 7370.00 8170.00 7770.00 46 0.71 1.49 1.00 1.00 1.00 3.59E-05 cp100h #1 74 100.00 35.93 7370.00 8170.00 7770.00 46 0.71 1.49 1.00 1.00 1.00 5.54E-05 cp100h #2	
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81 100 00 18.39 7370 00 8170 00 7770 00 45 0.71 1.49 1.00 1.00 3.13E-05 ep100hxx #1	
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77 100 100 100 100 100 100 100 100 100 1	
86 100 00 35.93 8170.00 7370.00 7770.00 50 0.71 1.49 1.00 1.00 1.10E-05 cp100hxx #6	
87 100.00 62.05 8170.00 7370.00 7770.00 50 0.71 1.49 1.00 1.00 1.00 9.28E-06 cp100hxx #/	
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70 10 10 10 10 10 10 10 10 10 10 10 10 10)
91 100.00 62.05 9860.00 10880.00 10370.00 46 0.71 1.49 1.00 1.00 9.72E-06 ep100hxx #11	1
92 100.00 98.62 9860.00 10880.00 10370.00 48 0.71 1.49 1.00 1.00 3.20E-05 cp100hxx #12	
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94 100.00 35.93 10880.00 9860.00 10370.00 50 0.71 1.49 1.00 1.00 1.00 2.34E-04 cp100hxx #14 95 100.00 62.05 10880.00 9860.00 10370.00 50 0.71 1.49 1.00 1.00 1.00 6.52E-06 cp100hxx #15	
96 100.00 98.62 10880.00 9860.00 10370.00 50 0.71 1.49 1.00 1.00 1.00 3.65E-05 cp100hxx #16	
97 150.00 18.39 290.00 330.00 310.00 30 0.71 1.49 1.00 1.00 1.00 1.09E-05 cp150l #1	
98 150.00 35.93 290.00 330.00 310.00 29 0.71 1.49 1.00 1.00 1.00 2.76E-05 cp150l #2 99 150.00 62.05 290.00 330.00 310.00 29 0.71 1.49 1.00 1.00 1.00 4.24E-05 cp150l #3	
77 130.00 02.00 770.00 770.00 774 4 40 4 00 4 00 4 20 1 385-04 001501 #4	
101 150.00 18.39 620.00 700.00 660.00 29 0.71 1.49 1.00 1.00 1.00 1.44E-05 cp1501 #5	
102 150.00 35.93 620.00 700.00 660.00 30 0.71 1.49 1.00 1.00 1.00 5.94E-06 cp1501 #7	
103 150.00 62.05 620.00 700.00 660.00 30 0.71 1.49 1.00 1.00 1.00 6.84E-06 cp150l #7 104 150.00 98.62 620.00 700.00 660.00 30 0.71 1.49 1.00 1.00 1.00 1.17E-05 cp150l #8	
105 150 00 18 39 1215 00 1345 00 1280 00 30 0.71 1.49 1.00 1.00 1.00 7.22E-06 cp150l #9	
106 150.00 35.93 1215.00 1345.00 1280.00 29 0.71 1.49 1.00 1.00 1.00 5.77E-07 cp150l #10	
107 150.00 62.05 1215.00 1345.00 1280.00 30 0.71 1.49 1.00 1.00 1.00 1.00 1.54E-05 cp1501 #17	
108 150.00 98.62 1215.00 1345.00 1280.00 29 0.71 1.49 1.00 1.00 1.00 7.01E-05 cp150l #12 109 150.00 147.11 290.00 330.00 310.00 30 0.71 1.49 1.00 1.00 1.00 1.12E-04 cp150lx #1	
109 150.00 147.11 290.00 330.00 310.00 30 0.71 1.49 1.00 1.00 1.00 1.12E-04 cp150tx #1 110 150.00 147.11 620.00 700.00 660.00 29 0.71 1.49 1.00 1.00 1.00 1.00 1.7E-05 cp150tx #2	
111 150.00 147.11 1215.00 1345.00 1280.00 29 0.71 1.49 1.00 1.00 1.00 4.83E-06 cp150lx #3	
112 150.00 18.39 2470.00 2735.00 2602.50 49 0.71 1.49 1.00 1.00 1.00 1.28E-05 cp150m #1	
115 150.00 55.75 2470.00 275100 2760 47 0 74 4 /0 4 00 4 00 2 485-05 cm150m #3	
115 150 00 98.62 2470.00 2735.00 2602.50 47 0.71 1.49 1.00 1.00 1.00 5.64E-06 cp150m #4	
116 150.00 18.39 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 2.54E-05 cp150m #5	
117 150.00 35.93 4900.00 5430.00 5165.00 50 0.71 1.49 1.00 1.00 1.00 2.63E-06 cp150m #6	
110 150:00 0E:05 / 10E:06 on150m #8	
119 150.00 98.62 4900.00 5430.00 5165.00 49 0.71 1.49 1.00 1.00 1.00 4.16E-06 cp150m #8 120 150.00 147.11 2470.00 2735.00 2602.50 48 0.71 1.49 1.00 1.00 1.00 4.42E-05 cp150mx #1	

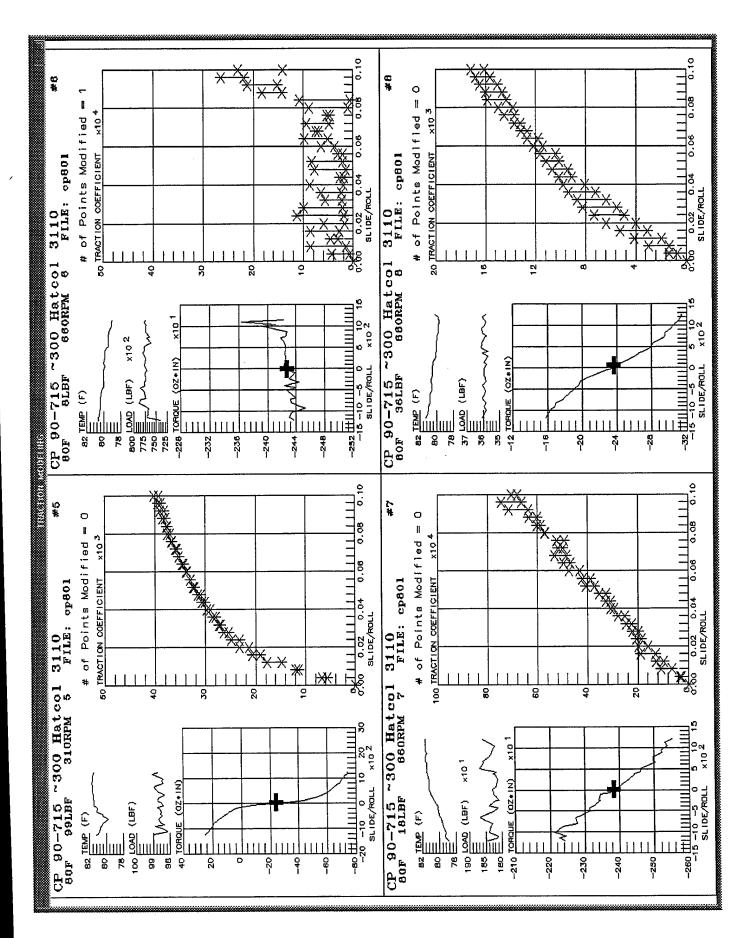
	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	C Load1	al ibrat Load2	tion Fa Rpm1		 Torq	SqDev	Dataset/Test #
121	150.00	147.11	4900.00	5430.00	5165.00	48	0.71	1.49	1.00	1.00	1.00	5.63E-05	cp150mx #2
122	150.00	18.39	7370.00	8170.00	7770.00	45	0.71	1.49	1.00	1.00	1.00	3.00E-05	cp150h #1
123	150.00	35.93	7370.00 7370.00	8170.00 8170.00	7770.00 7770.00	45 45	0.71 0.71	1.49 1.49	1.00 1.00		1.00 1.00	4.27E-05 2.99E-06	cp150h #2 cp150h #3
124 125	150.00 150.00	62.05 98.62	7370.00	8170.00	7770.00	47	0.71	1.49	1.00		1.00	4.46E-06	cp150h #4
126	150.00	18.39	9860.00	10880.00	10370.00	49	0.71	1.49	1.00		1.00	6.03E-05	cp150h #5
127	150.00	35.93	9860.00	10880.00 10880.00	10370.00 10370.00	50 48	0.71 0.71	1.49 1.49	1.00 1.00		1.00 1.00	1.41E-04 9.96E-06	cp150h #6 cp150h #7
128 129	150.00 150.00	62.05 98.62	9860.00 9860.00	10880.00	10370.00	49	0.71	1.49	1.00		1.00	4.19E-06	cp150h #8
130	200.00	18.39	290.00	330.00	310.00	29	0.71	1.49	1.00		1.00	4.85E-05	cp200l #1
131	200.00	35.93	290.00 290.00	330.00	310.00 310.00	28 30	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	6.58E-05 1.05E-04	cp200l #2 cp200l #3
132 133	200.00 200.00	62.05 98.62	290.00	330.00 330.00	310.00	28	0.71	1.49	1.00	1.00	1.00	2.51E-04	cp2001 #4
134	200.00	18.39	620.00	700.00	660.00	30	0.71	1.49	1.00	1.00	1.00	2.87E-05	cp200l #5
135	200.00	35.93	620.00	700.00	660.00 660.00	29 30	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.26E-05 4.15E-05	cp200l #6 cp200l #7
136 137	200.00 200.00	62.05 98.62	620.00 620.00	700.00 700.00	660.00	30	0.71	1.49	1.00	1.00	1.00	9.94E-06	cp2001 #8
138	200.00	18.39	1215.00	1345.00	1280.00	30	0.71	1.49	1.00	1.00	1.00	5.10E-06	cp200l #9
139	200.00	35.93	1215.00	1345.00	1280.00	30	0.71	1.49	1.00 1.00	1.00 1.00	1.00 1.00	5.07E-06 6.22E-07	cp200l #10 cp200l #11
140 141	200.00	62.05 98.62	1215.00 1215.00	1345.00 1345.00	1280.00 1280.00	30 30	0.71 0.71	1.49 1.49	1.00	1.00	1.00	2.61E-05	cp2001 #11
142	200.00	147.11	290.00	330.00	310.00	30	0.71	1.49	1.00	1.00	1.00	4.84E-05	cp200lx #1
143	200.00	147.11	620.00	700.00	660.00	30	0.71	1.49	1.00	1.00	1.00 1.00	4.55E-06 1.78E-05	cp200lx #2 cp200lx #3
144 145	200.00	147.11 18.39	1215.00 2470.00	1345.00 2735.00	1280.00 2602.50	30 47	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00	1.69E-05	cp200m #1
146	200.00	35.93	2470.00	2735.00	2602.50	48	0.71	1.49	1.00	1.00	1.00	2.87E-06	cp200m #2
147	200.00	62.05	2470.00	2735.00	2602.50	47	0.71	1.49	1.00	1.00	1.00	3.54E-06	cp200m #3
148 149	200.00	98.62 18.39	2470.00 4900.00	2735.00 5430.00	2602.50 5165.00	50 48	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	2.31E-06 3.38E-05	cp200m #4 cp200m #5
150	200.00	35.93	4900.00	5430.00	5165.00	50	0.71	1.49	1.00	1.00	1.00	1.32E-05	cp200m #6
151	200.00	62.05	4900.00	5430.00	5165.00	50	0.71	1.49	1.00	1.00	1.00	3.20E-06	cp200m #7
152	200.00	98.62 147.11	4900.00 2470.00	5430.00 2735.00	5165.00 2602.50	50 47	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.33E-05 1.04E-05	cp200m #8 cp200mx #1
153 154	200.00	147.11	4900.00	5430.00	5165.00	50	0.71	1.49	1.00	1.00	1.00	3.08E-05	cp200mx #2
155	200.00	18.39	7370.00	8170.00	7770.00	41	0.71	1.49	1.00	1.00	1.00	9.11E-06	cp200h #1
156 157	200.00	35.93 62.05	7370.00 7370.00	8170.00 8170.00	7770.00 7770.00	45 44	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.20E-05 3.56E-06	cp200h #2 cp200h #3
158	200.00	98.62	7370.00	8170.00	7770.00	47	0.71	1.49	1.00	1.00	1.00	4.16E-07	cp200h #4
159	200.00	18.39	9860.00	10880.00	10370.00	46		1.49	1.00	1.00	1.00	1.97E-04 7.84E-05	cp200h #5 cp200h #6
160 161	200.00	35.93 62.05	9860.00 9860.00	10880.00 10880.00	10370.00 10370.00	48 48		1.49 1.49	1.00 1.00	1.00 1.00	1.00	2.24E-05	cp200h #7
162	200.00	98.62	9860.00	10880.00	10370.00	47		1.49	1.00	1.00	1.00	7.11E-06	cp200h #8
163	250.00	18.39	290.00	330.00	310.00	26		1.49	1.00	1.00 1.00	1.00 1.00	6.21E-04 3.92E-04	cp250l #1 cp250l #2
164 165	250.00 250.00	35.93 62.05	290.00 290.00	330.00 330.00	310.00 310.00	25 26		1.49 1.49	1.00	1.00	1.00	1.81E-04	cp250l #3
166	250.00	98.62	290.00	330.00	310.00	27	0.71	1.49	1.00	1.00	1.00	1.69E-03	cp250l #4
167	250.00	147.11	290.00	330.00	310.00	30		1.49 1.49	1.00	1.00 1.00	1.00 1.00	2.63E-03 1.80E-05	cp250l #5 cp250l #6
168 169	250.00 250.00	18.39 35.93	620.00 620.00	700.00 700.00	660.00 660.00	27 30		1.49	1.00	1.00	1.00	2.55E-04	cp250l #7
170	250.00	62.05	620.00	700.00	660.00	29	0.71	1.49	1.00	1.00	1.00	8.68E-05	cp250l #8
171	250.00	98.62	620.00	700.00	660.00 660.00	30		1.49 1.49	1.00	1.00 1.00	1.00 1.00	4.64E-05 5.58E-05	cp250l #9 cp250l #10
172 173	250.00 250.00	147.11 18.39	620.00 1215.00	700.00 1345.00	1280.00	30 30		1.49	1.00	1.00	1.00	2.60E-06	cp2501 #11
174	250.00	35.93	1215.00	1345.00	1280.00	30	0.71	1.49	1.00	1.00	1.00	6.26E-06	cp2501 #12
175	250.00	62.05	1215.00	1345.00	1280.00	30 29		1.49 1.49	1.00	1.00 1.00	1.00 1.00	7.88E-06 2.02E-05	cp250l #13 cp250l #14
176 177		98.62 147.11	1215.00 1215.00	1345.00 1345.00	1280.00 1280.00	30		1.49	1.00	1.00	1.00	5.51E-05	cp250t #15
178		18.39	2470.00	2735.00	2602.50	48	0.71	1.49	1.00	1.00	1.00	2.05E-06	cp250m #1
179		35.93	2470.00	2735.00	2602.50 2602.50	49 46		1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	4.16E-06 3.32E-06	cp250m #2 cp250m #3
180 181		62.05 98.62	2470.00 2470.00	2735.00 2735.00	2602.50	48		1.49	1.00	1.00	1.00	1.49E-05	cp250m #4
182	250.00	147.11	2470.00	2735.00	2602.50	47	0.71	1.49	1.00	1.00	1.00	3.81E-06	cp250m #5
183		18.39	4900.00	5430.00	5165.00 5165.00	48 46		1.49 1.49	1.00	1.00	1.00 1.00	1.41E-05 1.06E-05	cp250m #6 cp250m #7
184 185		35.93 62.05	4900.00 4900.00	5430.00 5430.00	5165.00	49			1.00	1.00	1.00	9.74E-07	cp250m #8
186	250.00	98.62	4900.00	5430.00	5165.00	47	0.71	1.49	1.00	1.00	1.00	2.61E-06	
187			4900.00	5430.00 8170.00	5165.00 7770.00	48 40			1.00	1.00 1.00	1.00 1.00	6.79E-07 1.78E-04	
188 189		18.39 35.93	7370.00 7370.00	8170.00	7770.00	42				1.00	1.00	8.17E-06	cp250h #2
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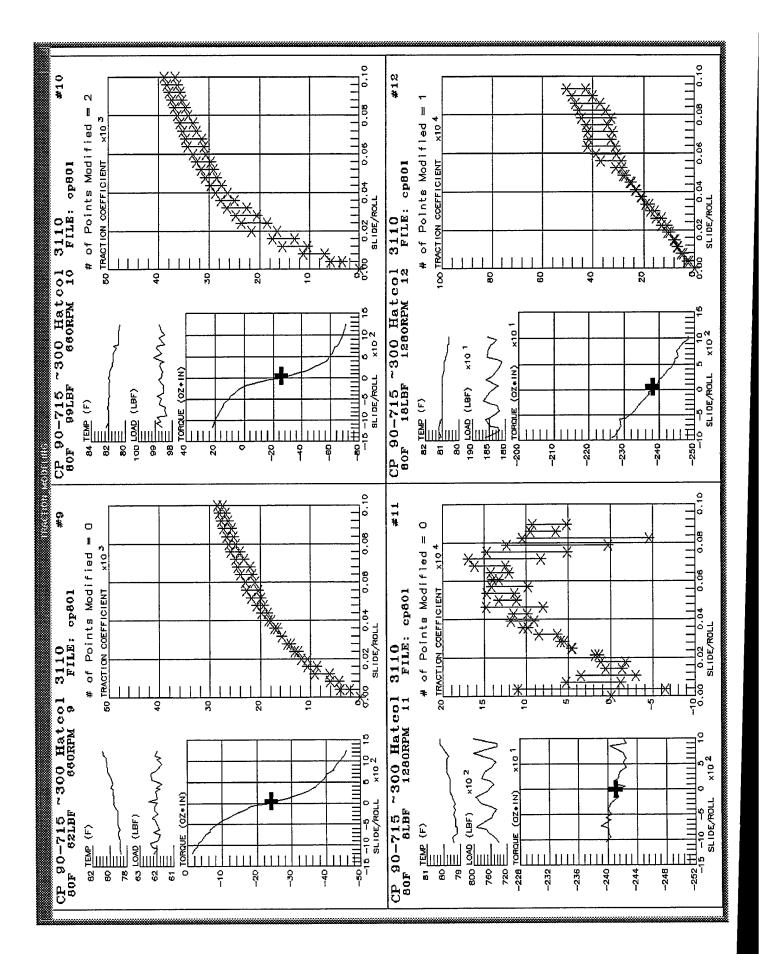
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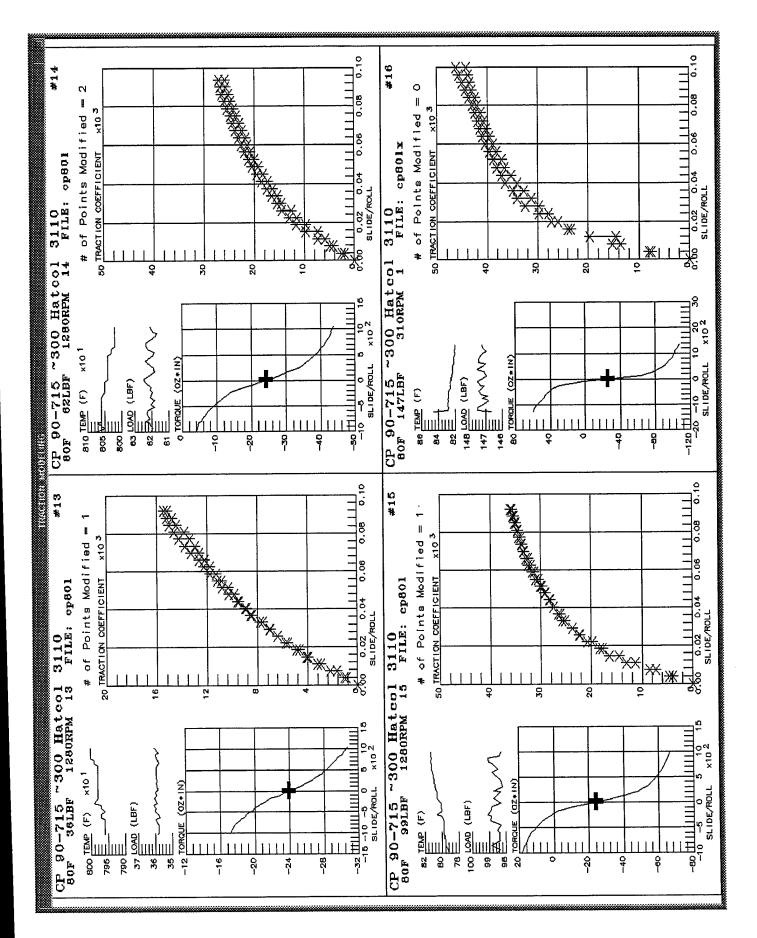
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	F	lbf	Kpiii.	Криш	Ko C CKpiii			Load2			Torq		
	•	•••							•	•	•		
191	250.00	98.62	7370.00	8170.00	7770.00	47	0.71	1.49	1.00	1.00	1.00	4.26E-06	cp250h #4
192	250.00	147.11	7370.00	8170.00	7770.00	44	0.71	1.49	1.00	1.00	1.00	1.03E-06	cp250h #5
193	250.00	18.39	9860.00	10880.00	10370.00	46	0.71	1.49	1.00	1.00	1.00	6.44E-05	cp250h #6
194	250.00	35.93	9860.00	10880.00	10370.00	47	0.71	1.49	1.00	1.00	1.00	1.52E-04	cp250h #7
195	250.00	62.05	9860.00	10880.00	10370.00	45	0.71	1.49	1.00	1.00	1.00	1.06E-05	cp250h #8
196	250.00	98.62	9860.00	10880.00	10370.00	49	0.71	1.49	1.00	1.00	1.00	2.57E-06	cp250h #9
197	250.00	147.11	9860.00	10880.00	10370.00	46	0.71	1.49	1.00	1.00	1.00	1.31E-05	cp250h #10
198	300.00	18.39	290.00	330.00	310.00	27	0.71	1.49	1.00	1.00	1.00	1.66E-03	cp3001 #1
199	300.00	35.93	290.00	330.00	310.00	25	0.71	1.49	1.00	1.00	1.00	6.39E-04	cp300l #2
200	300.00	62.05	290.00	330.00	310.00	25	0.71	1.49	1.00	1.00	1.00	1.06E-04	cp300l #3
201	300.00	98.62	290.00	330.00	310.00	28	0.71	1.49	1.00	1.00	1.00	3.96E-04	cp300l #4
202	300.00	147.11	290.00	330.00	310.00	28	0.71	1.49	1.00	1.00	1.00	2.13E-04	cp300l #5
203	300.00	18.39	620.00	700.00	660.00	29	0.71	1.49	1.00	1.00	1.00	5.74E-04	cp3001 #6
204	300.00	35.93	620.00	700.00	660.00	30	0.71	1.49	1.00	1.00	1.00	7.29E-05	cp3001 #7
205	300.00	62.05	620.00	700.00	660.00	29	0.71	1.49	1.00	1.00	1.00	2.26E-04	cp3001 #8
206	300.00	98.62	620.00	700.00	660.00	27	0.71	1.49	1.00	1.00	1.00	1.15E-04	cp300l #9
207	300.00	147.11	620.00	700.00	660.00	29	0.71	1.49	1.00	1.00	1.00	2.29E-04	cp300l #10
208	300.00	18.39	1215.00	1345.00	1280.00	30	0.71	1.49	1.00	1.00	1.00	7.35E-06	cp300l #11
209	300.00	35.93	1215.00	1345.00	1280.00	30	0.71	1.49	1.00	1.00	1.00	1.92E-05	cp300l #12
210	300.00	62.05	1215.00	1345.00	1280.00	30	0.71	1.49	1.00	1.00	1.00	6.67E-06	cp300l #13
211	300.00	98.62	1215.00	1345.00	1280.00	30	0.71	1.49	1.00	1.00	1.00	8.77E-06	cp300l #14
212	300.00	147.11	1215.00	1345.00	1280.00	30	0.71	1.49	1.00	1.00	1.00	1.32E-05	cp300l #15
213	300.00	18.39	2470.00	2735.00	2602.50	50	0.71	1.49	1.00	1.00	1.00	6.37E-04	cp300m #1
214	300.00	35.93	2470.00	2735.00	2602.50	44	0.71	1.49	1.00	1.00	1.00	7.96E-06	cp300m #2
215	300.00	62.05	2470.00	2735.00	2602.50	44	0.71	1.49	1.00	1.00	1.00	1.97E-06	cp300m #3
216	300.00	98.62	2470.00	2735.00	2602.50	45	0.71	1.49	1.00	1.00	1.00	7.41E-07	cp300m #4
217	300.00	147.11	2470.00	2735.00	2602.50	49	0.71	1.49	1.00	1.00	1.00	1.67E-05	cp300m #5
218	300.00	18.39	4900.00	5430.00	5165.00	49	0.71	1.49	1.00	1.00	1.00	1.09E-04	cp300m #6
219	300.00	35.93	4900.00	5430.00	5165.00	49	0.71	1.49	1.00	1.00	1.00	1.45E-05	cp300m #7
220	300.00	62.05	4900.00	5430.00	5165.00	49	0.71	1.49	1.00	1.00	1.00	6.75E-06	cp300m #8
221	300.00	98.62	4900.00	5430.00	5165.00	47	0.71	1.49	1.00	1.00	1.00	4.97E-06	cp300m #9
222	300.00	147.11	4900.00	5430.00	5165.00	49	0.71	1.49	1.00	1.00	1.00	7.58E-07	cp300m #10
223	300.00	18.39	7370.00	8170.00	7770.00	44	0.71	1.49	1.00	1.00	1.00	3.44E-04	cp300h #1
224	300.00	35.93	7370.00	8170.00	7770.00	47	0.71	1.49	1.00	1.00	1.00	1.09E-05	cp300h #2
225	300.00	62.05	7370.00	8170.00	7770.00	45	0.71	1.49	1.00	1.00	1.00	6.05E-06	cp300h #3
226	300.00	98.62	7370.00	8170.00	7770.00	43	0.71	1.49	1.00	1.00	1.00	4.87E-06	cp300h #4
227	300.00	147.11	7370.00	8170.00	7770.00	43	0.71	1.49	1.00	1.00	1.00	6.02E-06	cp300h #5
228	300.00	18.39	9860.00	10880.00	10370.00	43	0.71	1.49	1.00	1.00	1.00	1.27E-04	cp300h #6
229	300.00	35.93	9860.00	10880.00	10370.00	46	0.71	1.49	1.00	1.00	1.00	7.05E-05	cp300h #7
230	300.00	62.05	9860.00	10880.00	10370.00	46	0.71	1.49	1.00	1.00	1.00	1.21E-05	cp300h #8
231	300.00	98.62	9860.00	10880.00	10370.00	47	0.71	1.49	1.00	1.00	1.00	1.51E-06	cp300h #9
232	300.00	147.11	9860.00	10880.00	10370.00	47	0.71	1.49	1.00	1.00	1.00	4.04E-06	cp300h #10

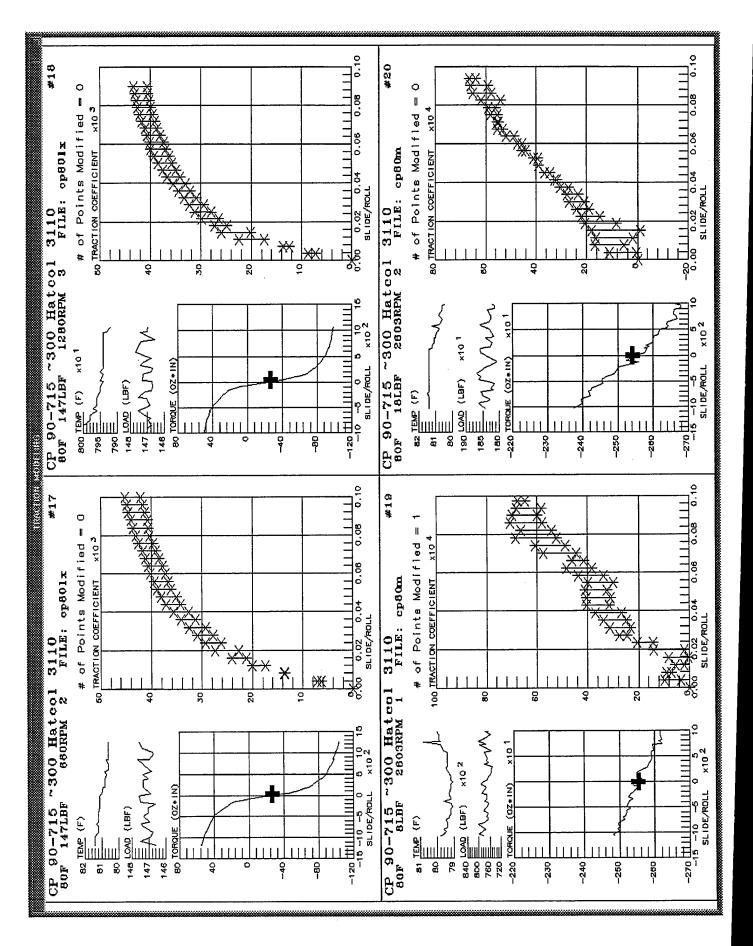
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cp2.dat	80.00	1280.00	13 14 15 18
cp3.dat	80.00	2603.00	21 22 23 29
cp4.dat	80.00	5165.00	26 27 28 30
cp5.dat	80.00	7770.00	40 33 34
cp6.dat	80.00	10370.00	36 37 38
cp7.dat	100.00	660.00	50 51 52 59
cp8.dat	100.00	1280.00	55 56 57 60
cp9.dat	100.00	2603.00	63 64 65 71
cp10.dat	100.00	5165.00	68 69 70 72
cp11.dat	100.00	7770.00	86 75 88
cp12.dat	100.00	10370.00	78 95 80
cp13.dat	150.00	660.00	102 103 104 110
cp14.dat	150.00	1280.00	106 107 108 111
cp15.dat	150.00	2603.00	113 114 115 120
cp16.dat	150.00	5165.00	117 118 119 121
cp17.dat	150.00	7770.00	123 124 125
cp18.dat	150.00	10370.00	127 128 129
cp19.dat	200.00	660.00	135 136 137 143
cp20.dat	200.00	1280.00	139 140 141 144
cp21.dat	200.00	2603.00	146 147 148 153
cp22.dat	200.00	5165.00	150 151 152 154
cp23.dat	200.00	7770.00	156 157 158
cp24.dat	200.00	10370.00	160 161 162
cp25.dat	250.00	660.00	169 170 171 172
cp26.dat	250.00	1280.00	174 175 176 177
cp27.dat	250.00	2603.00	179 180 181 182
cp28.dat	250.00	5165.00	184 185 186 187
cp29.dat	250.00	7770.00	189 190 191 192
cp30.dat	250.00	10370.00	194 195 196 197
cp31.dat	300.00	660.00	204 205 206 207
cp32.dat	300.00	1280.00	209 210 211 212
cp33 dat	300.00	2603.00	214 215 216 217
cp34 dat	300.00	5165.00	219 220 221 222
cp35.dat	300.00	7770.00	224 225 226 227 229 230 231 232
cp36.dat	300.00	10370.00	267 430 431 432

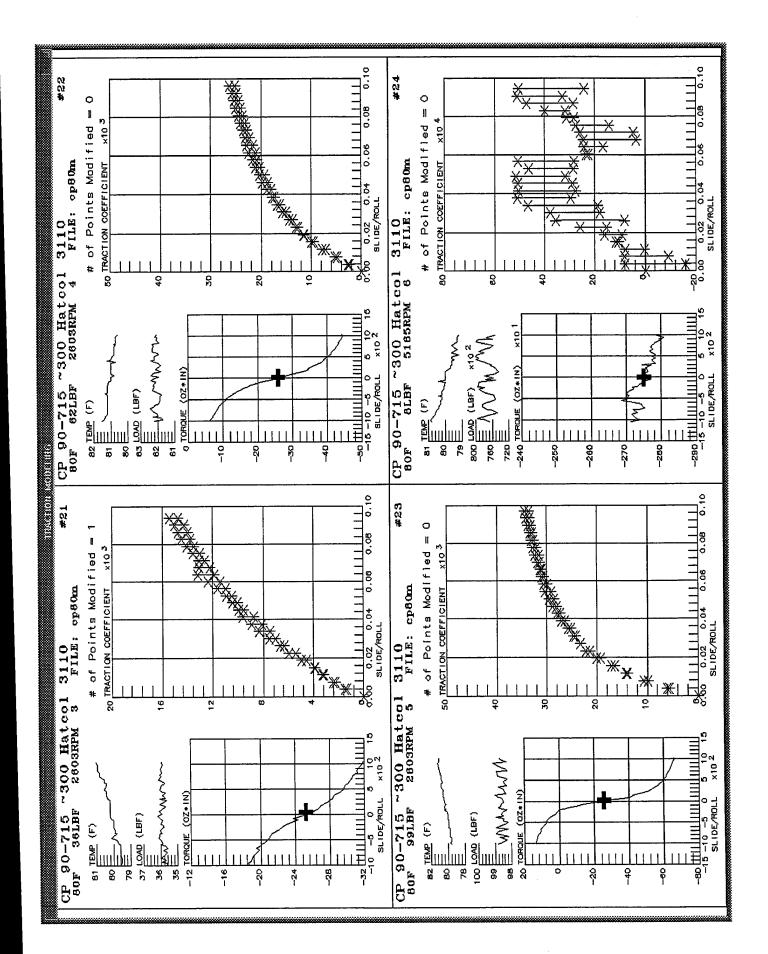


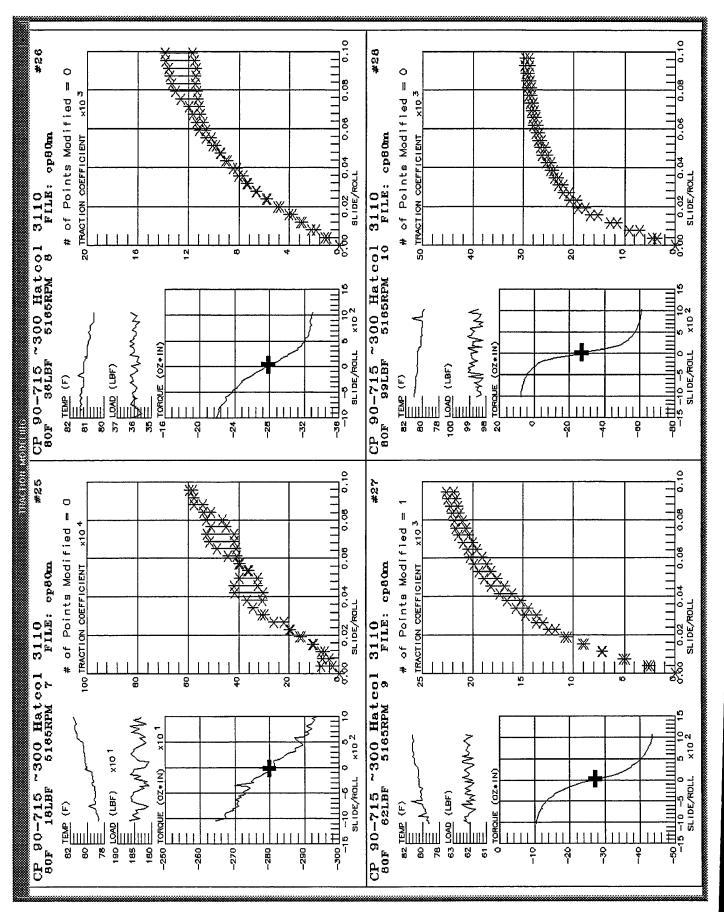


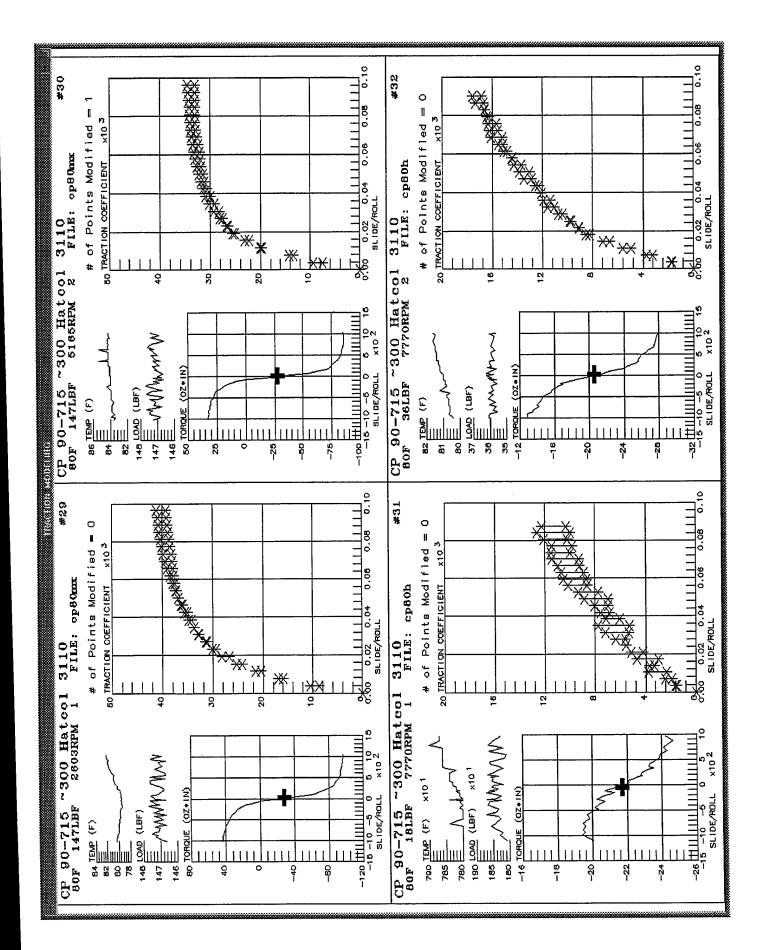


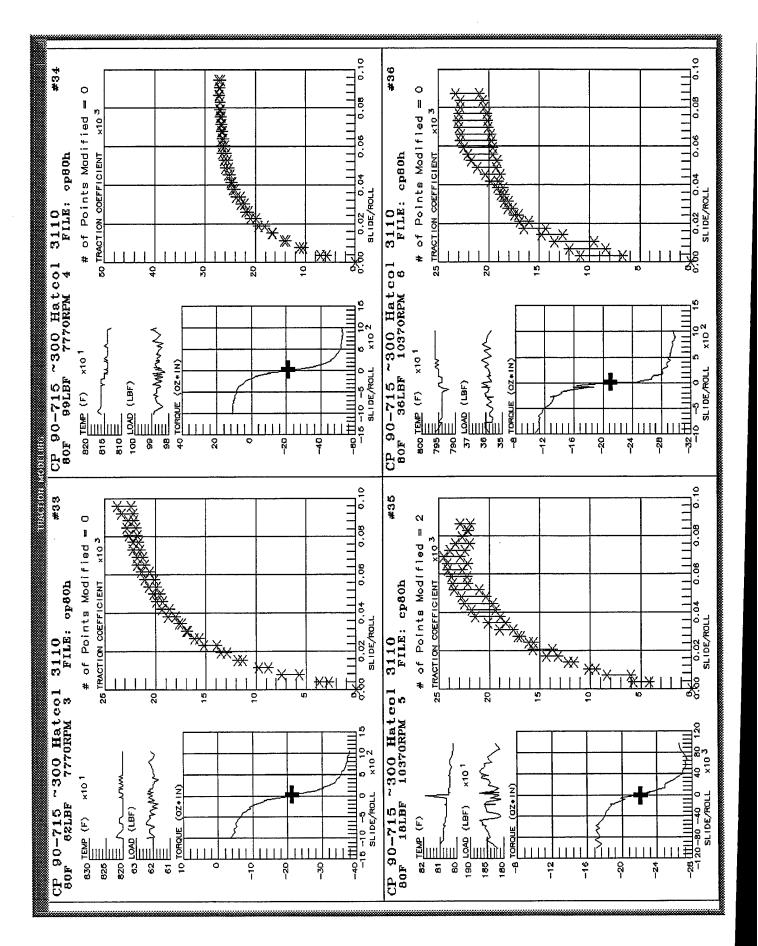


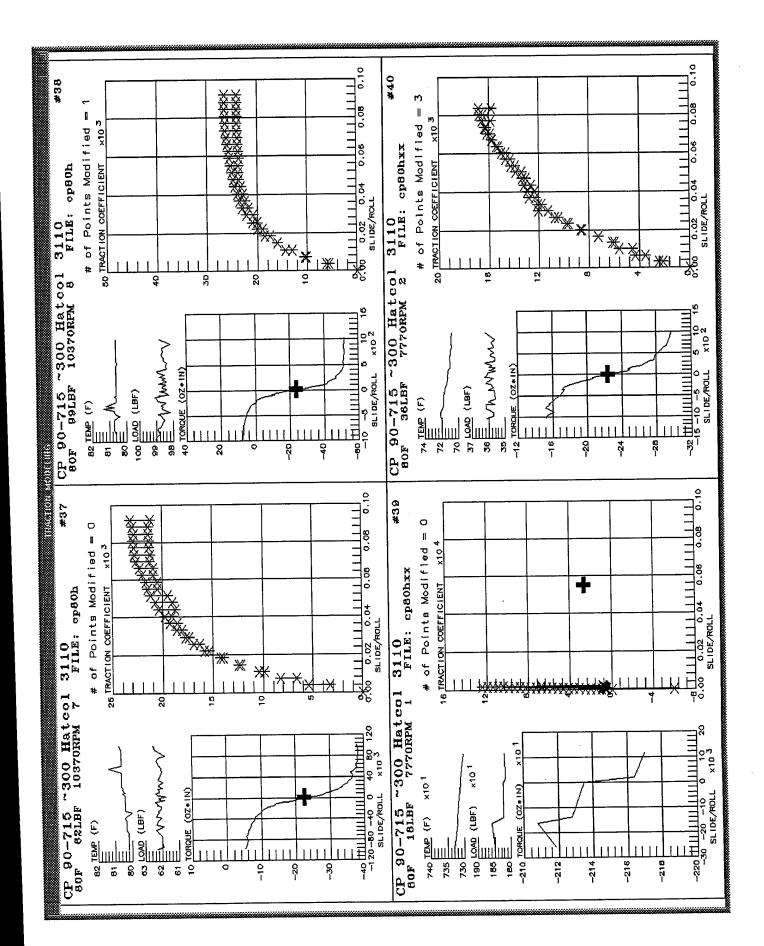


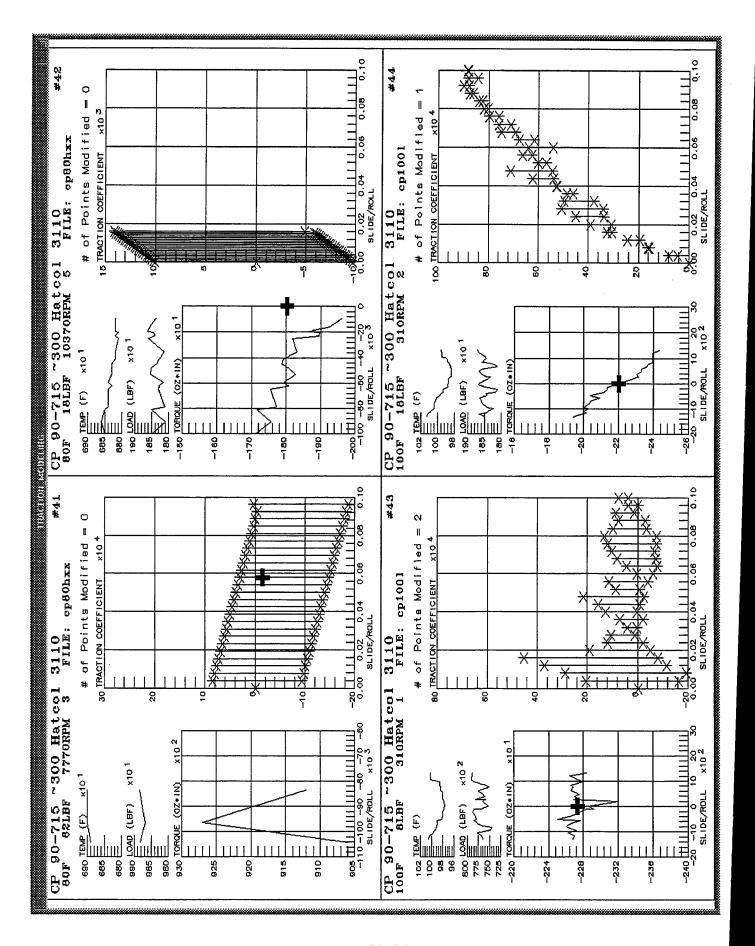


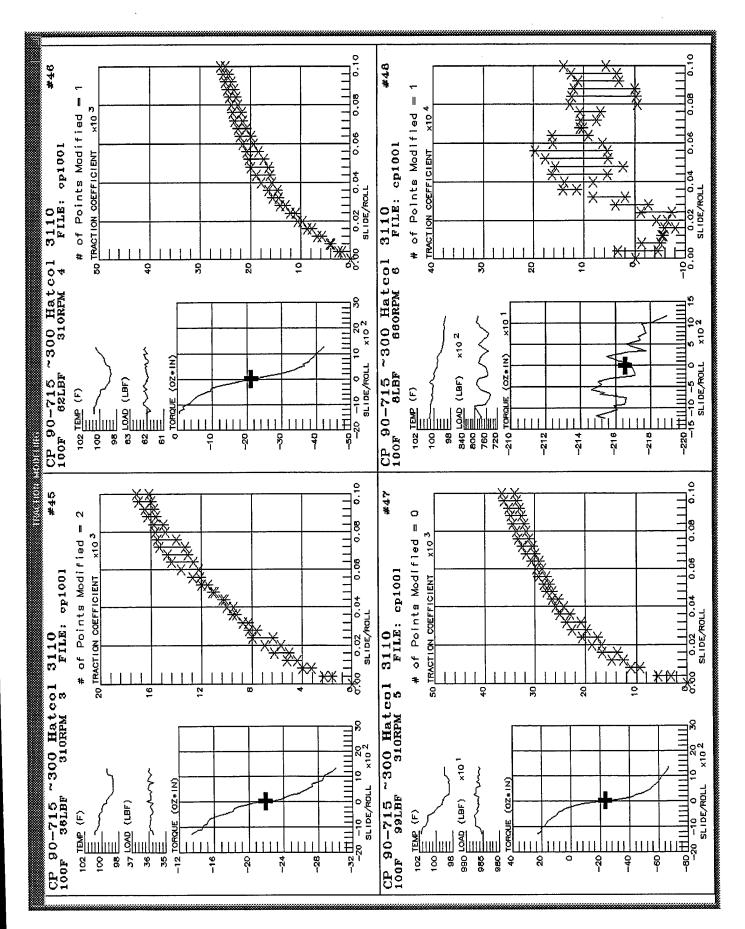


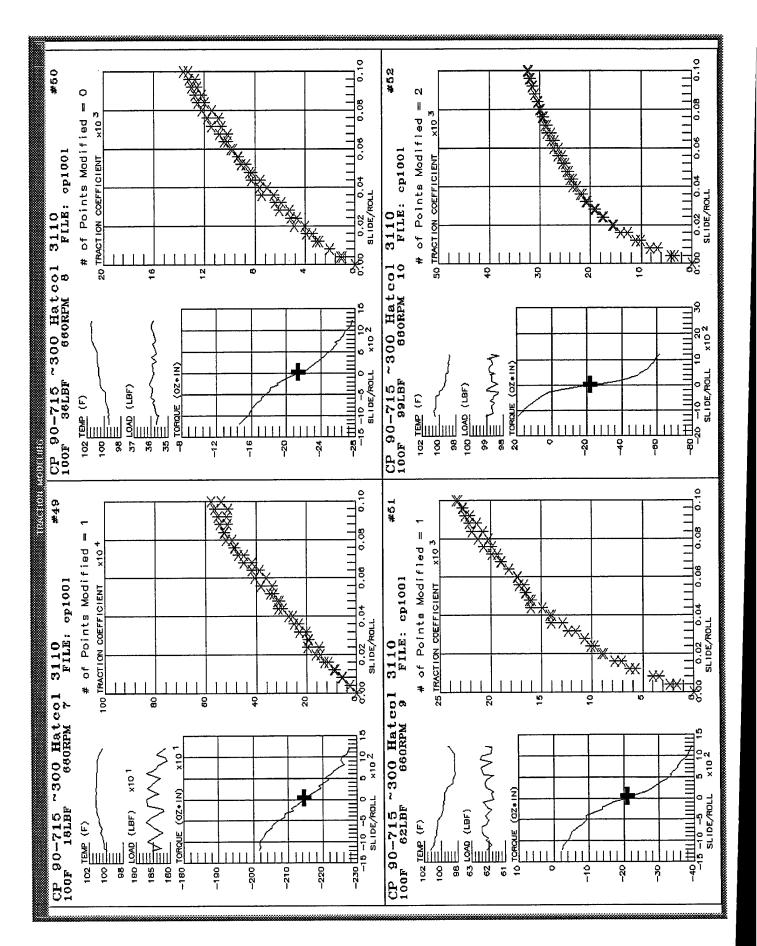


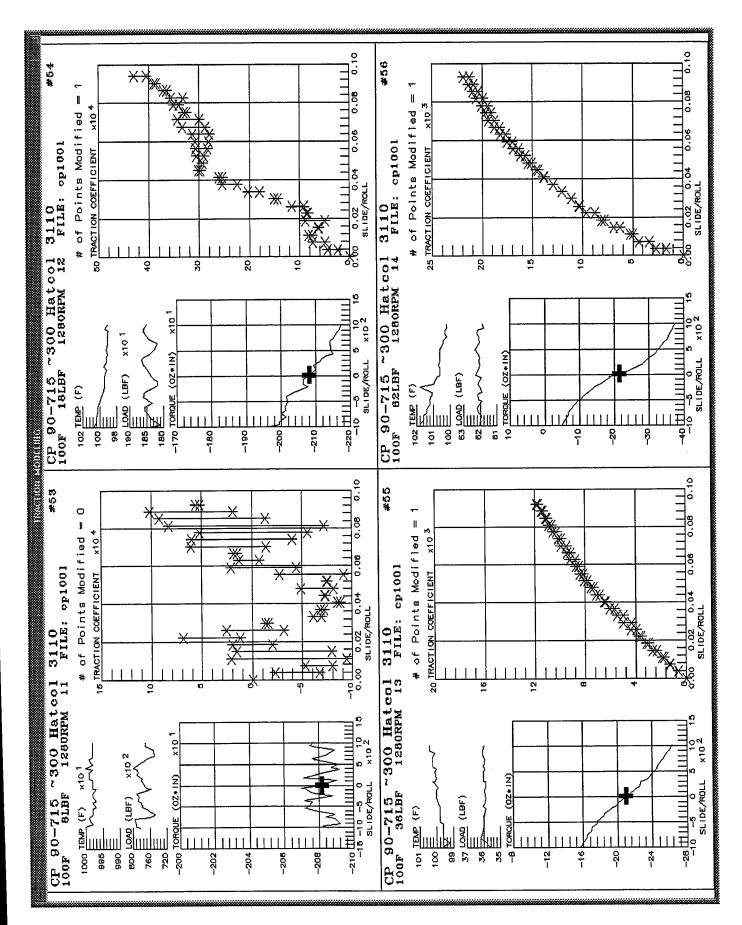


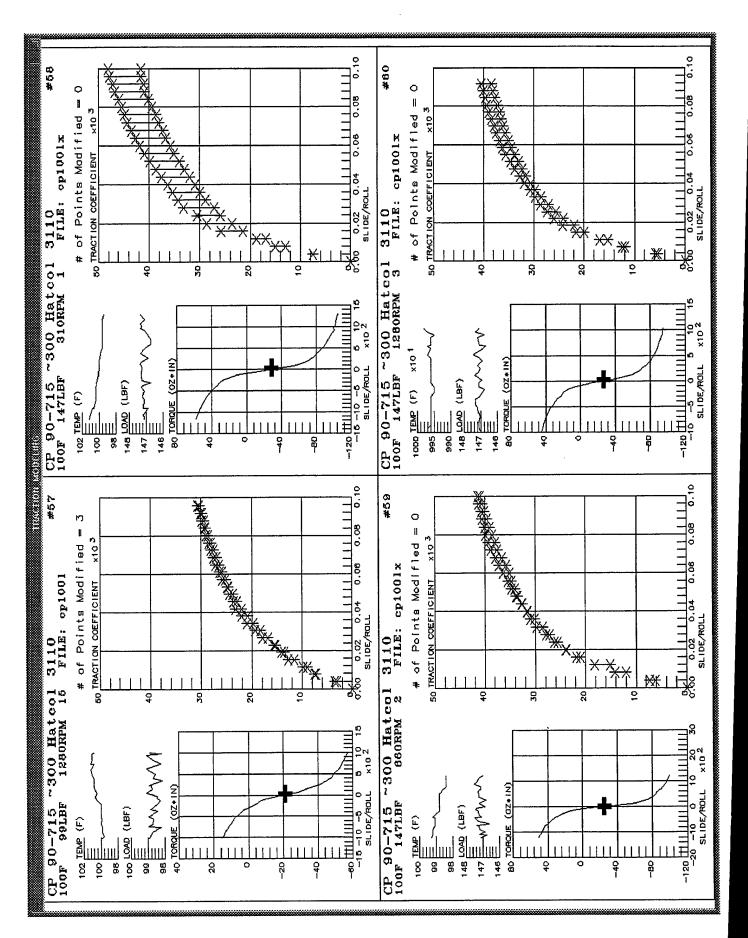


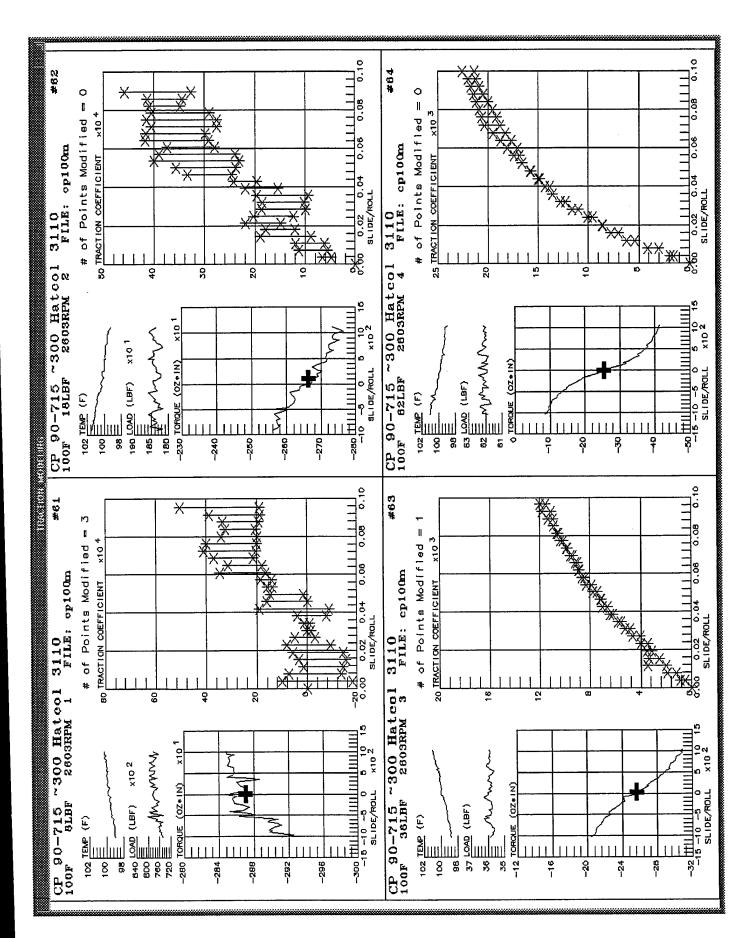


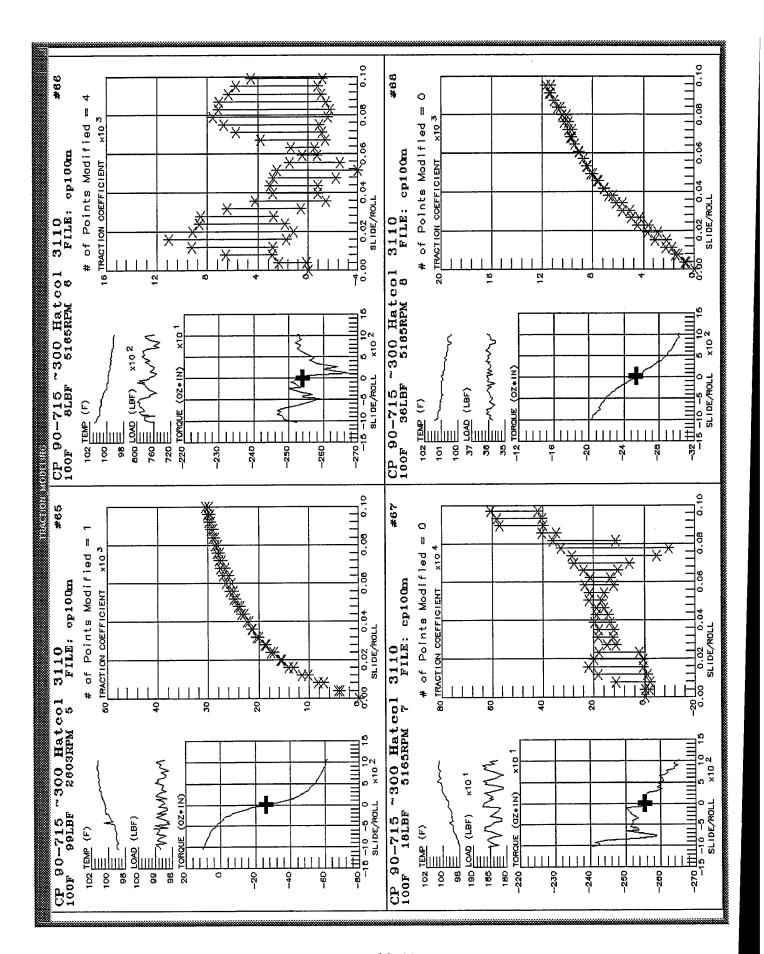


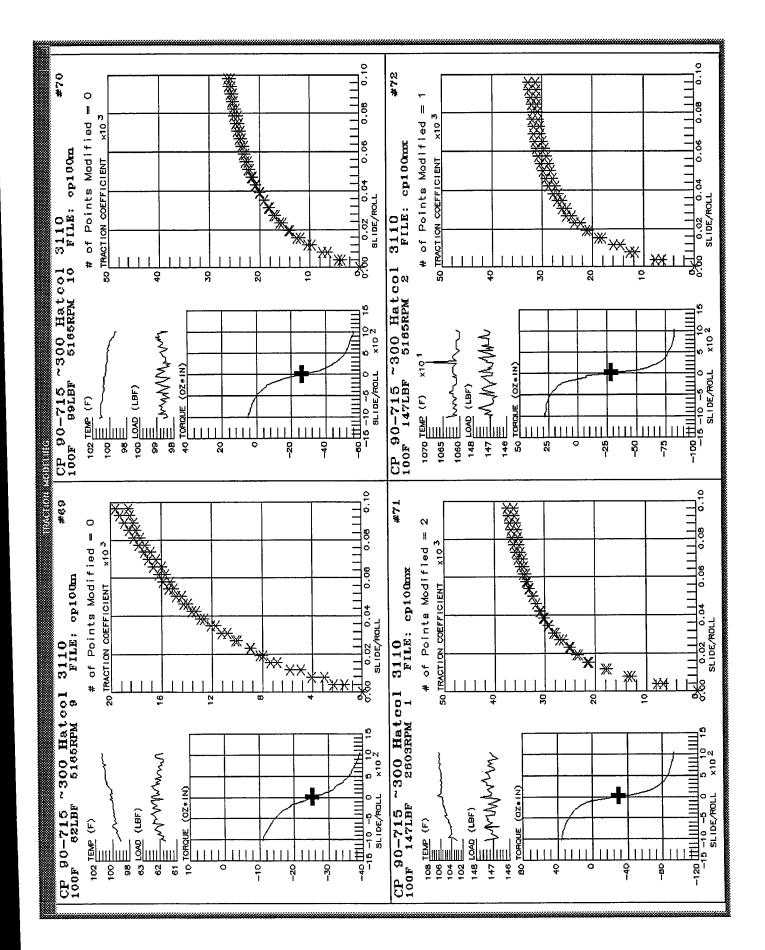


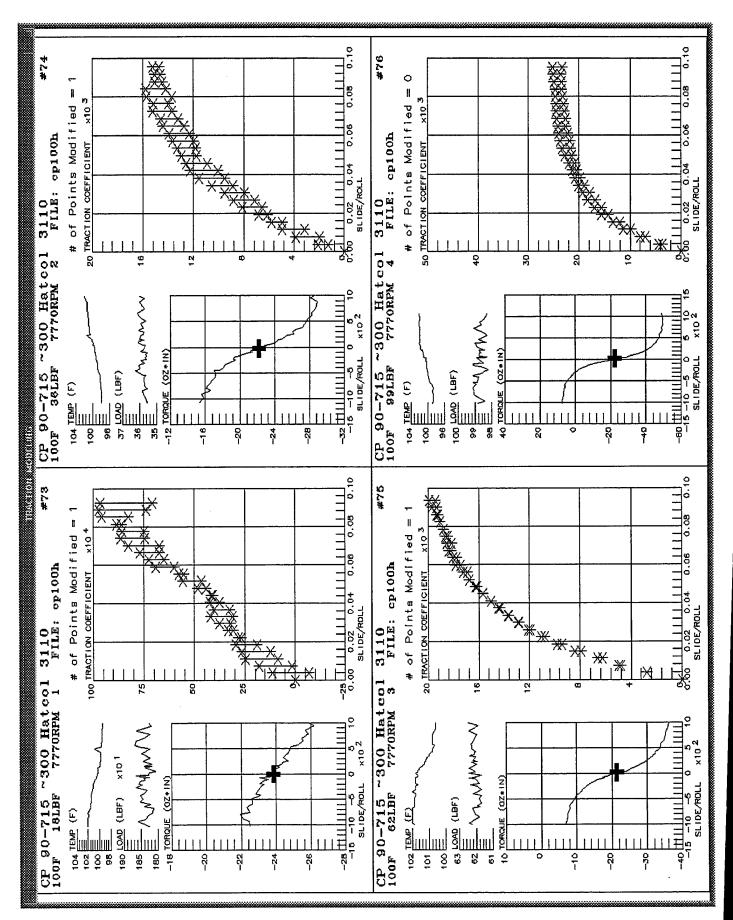


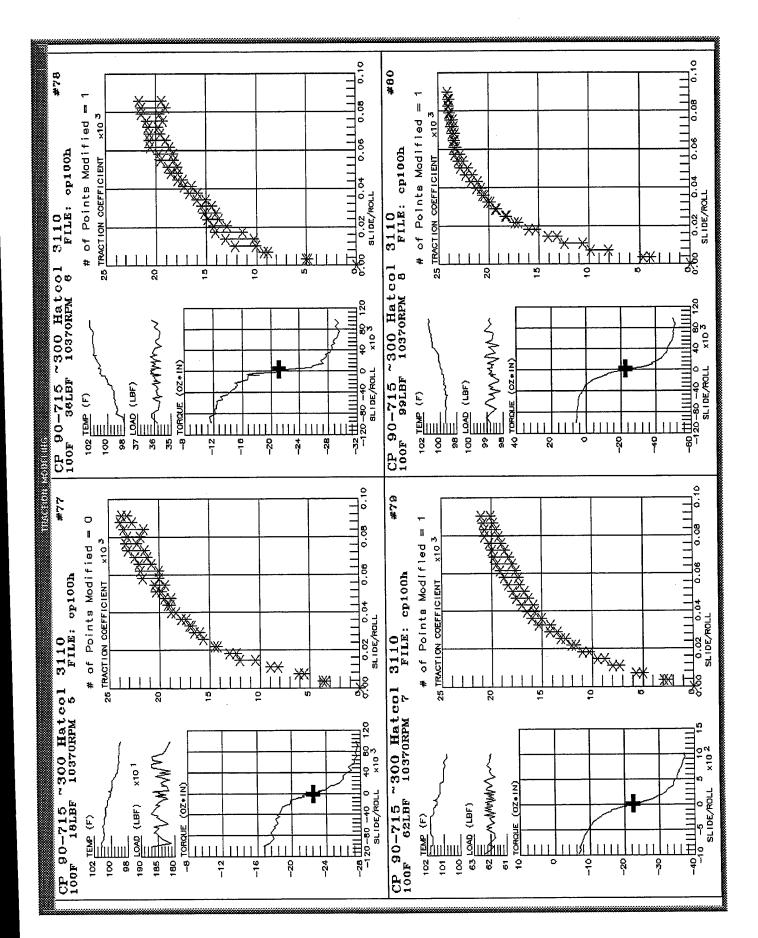


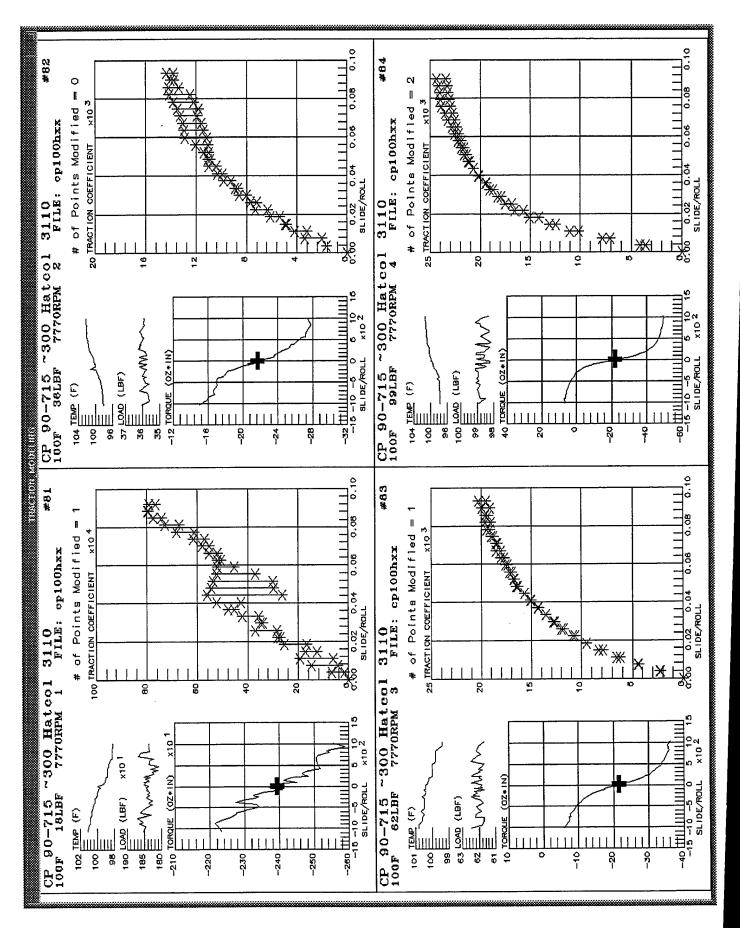


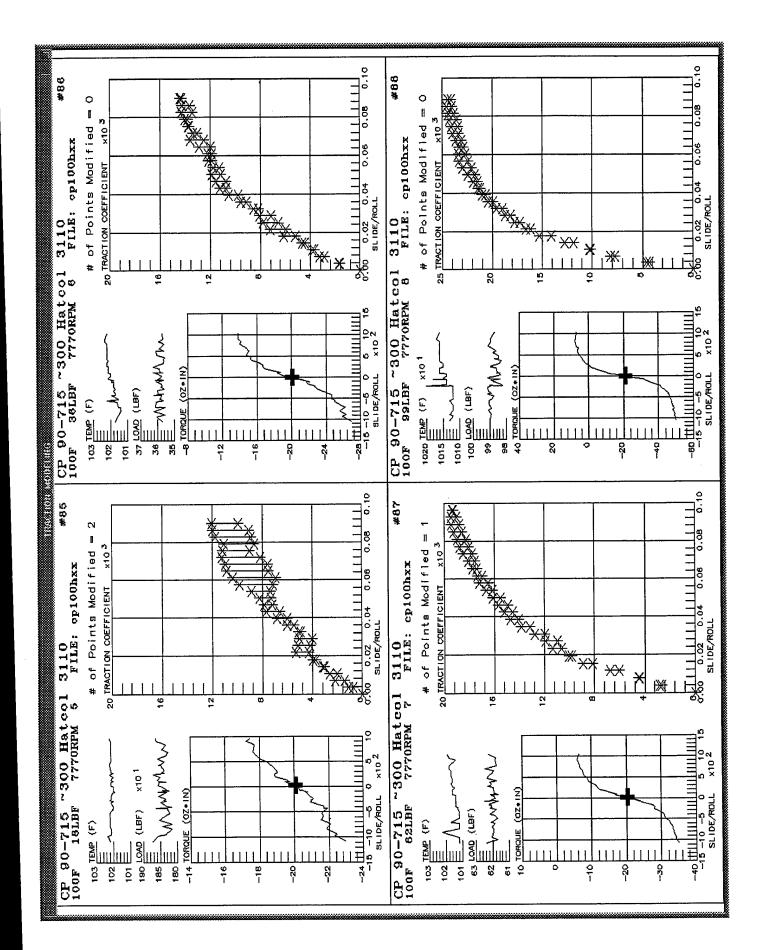


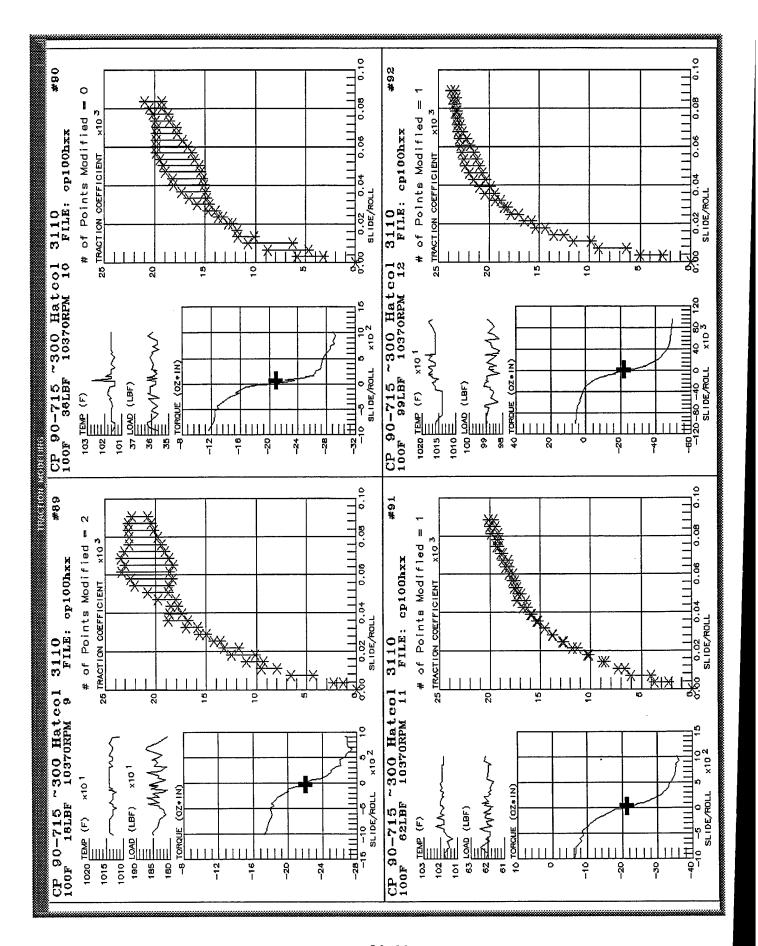


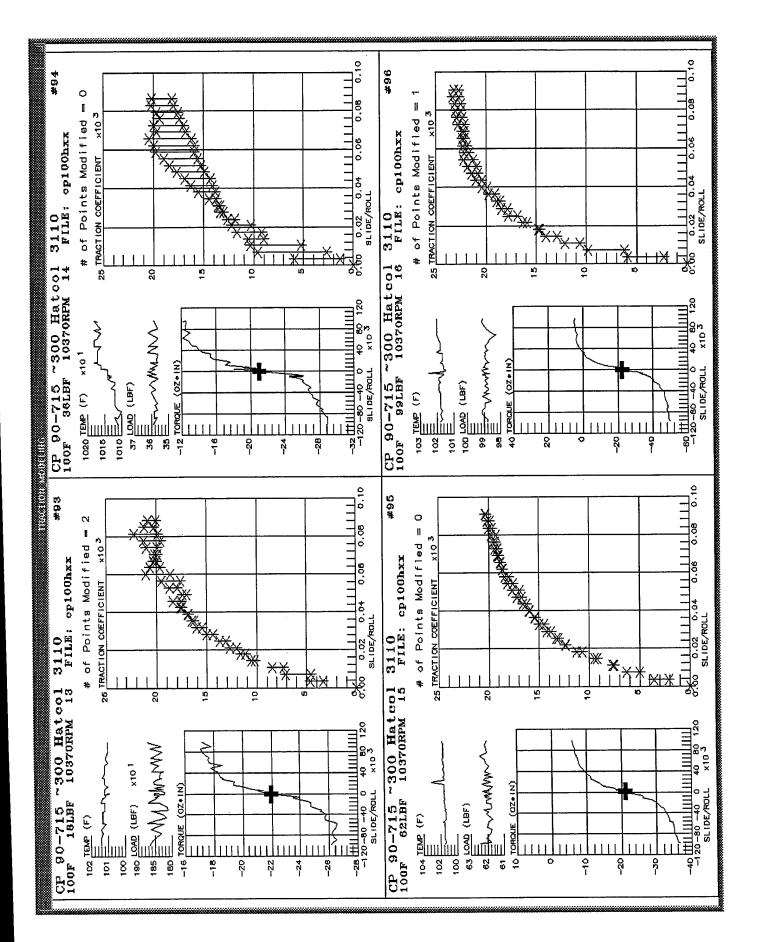


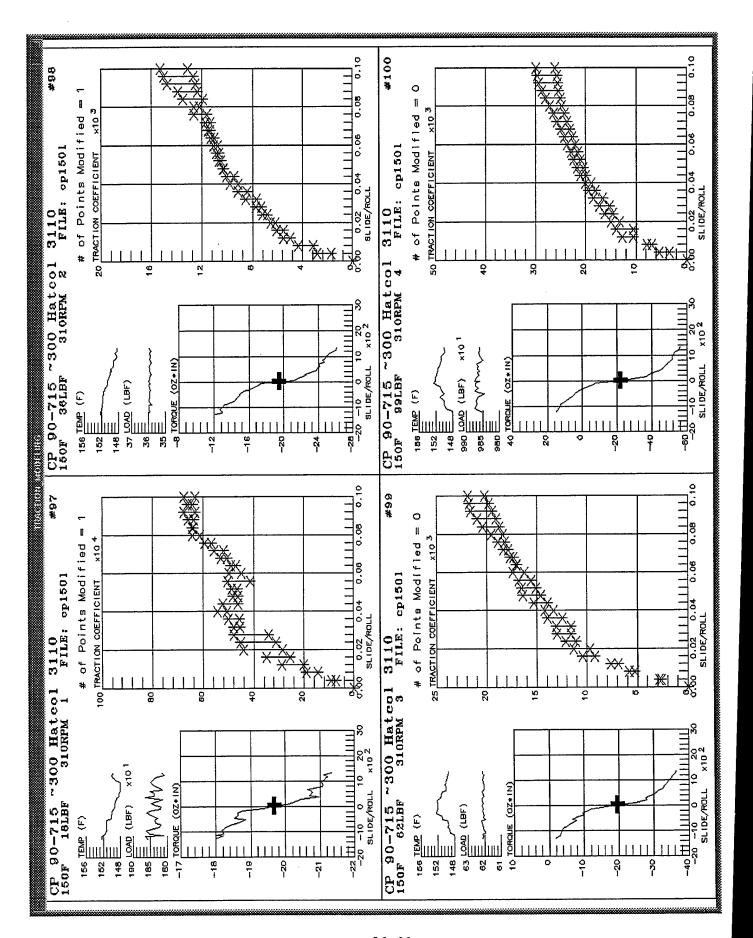


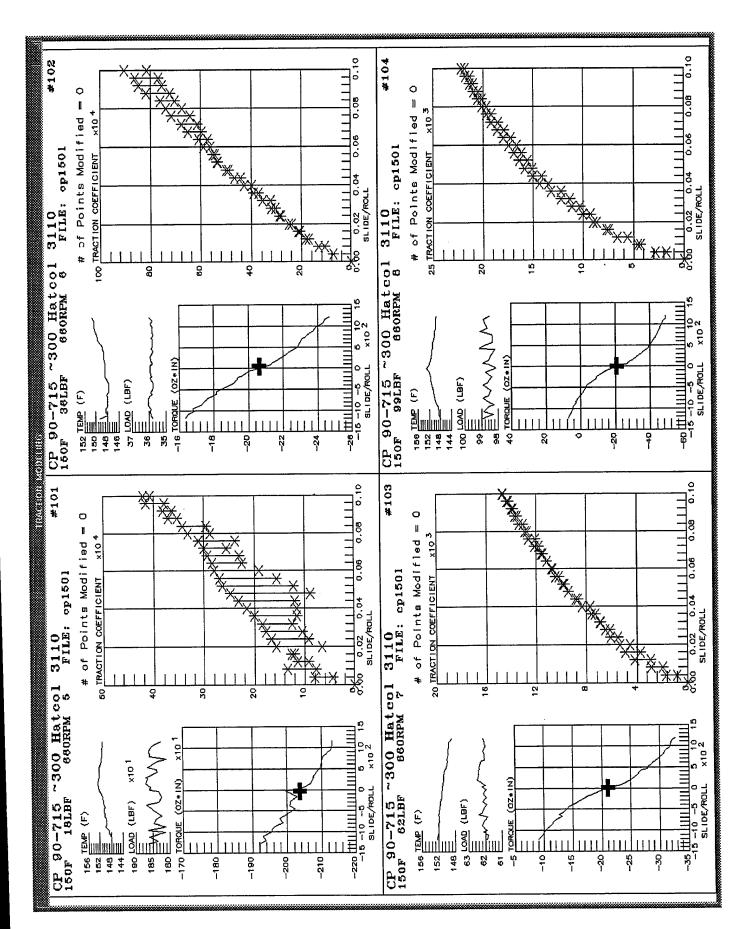


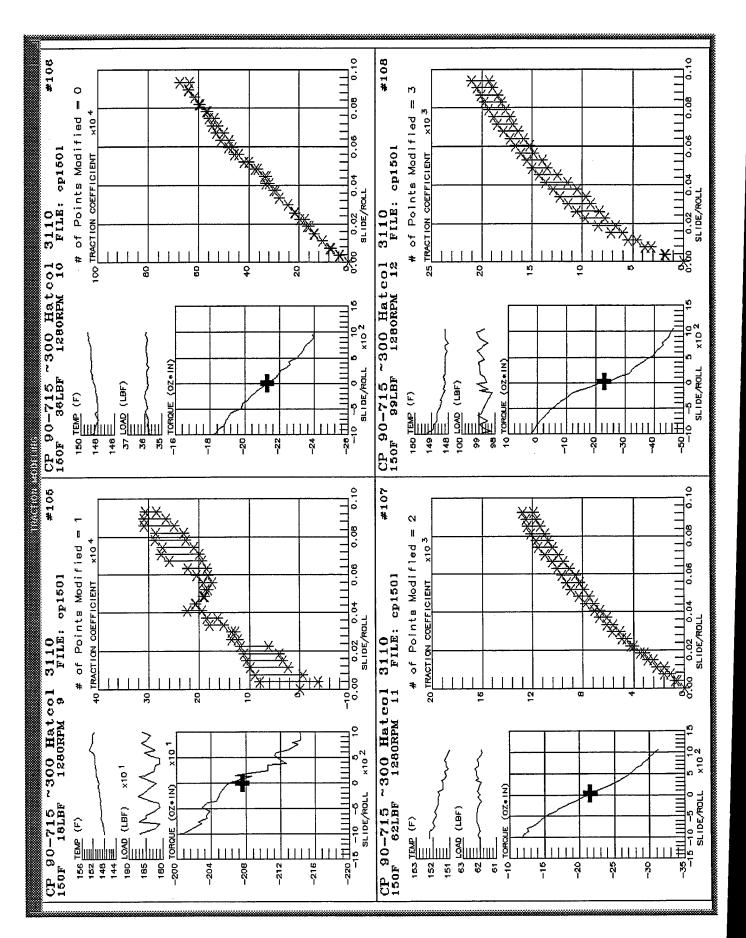


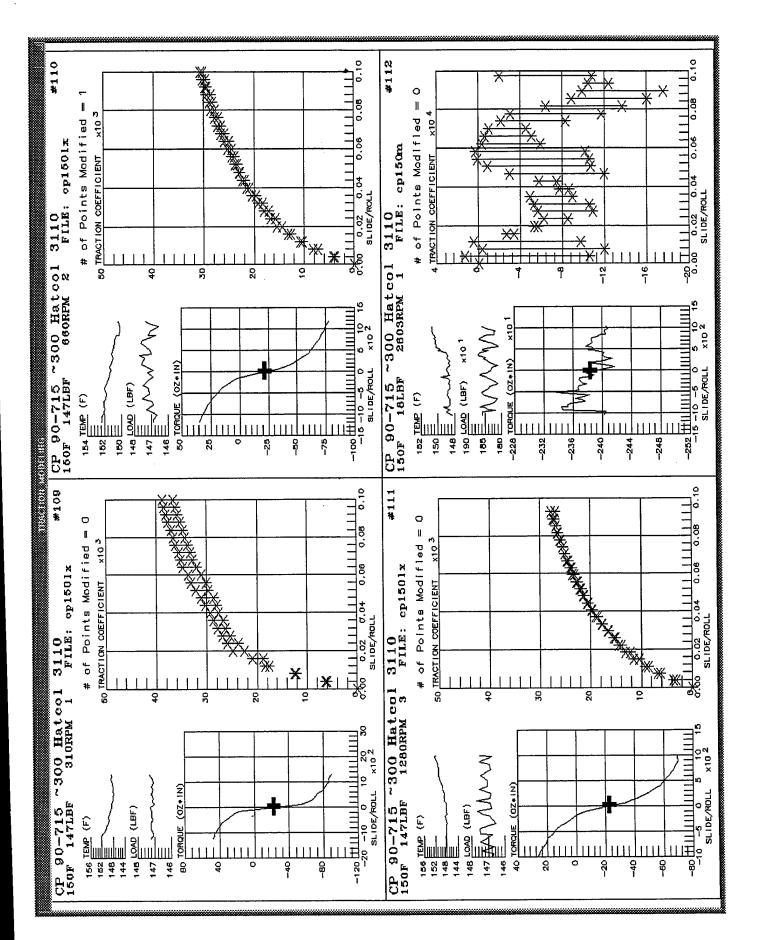


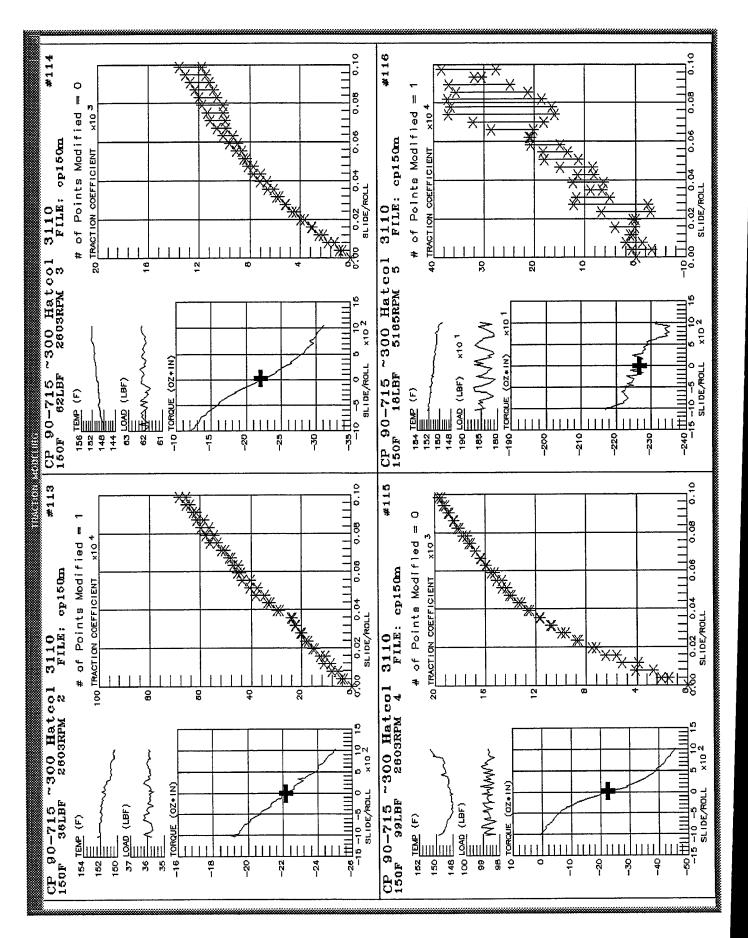


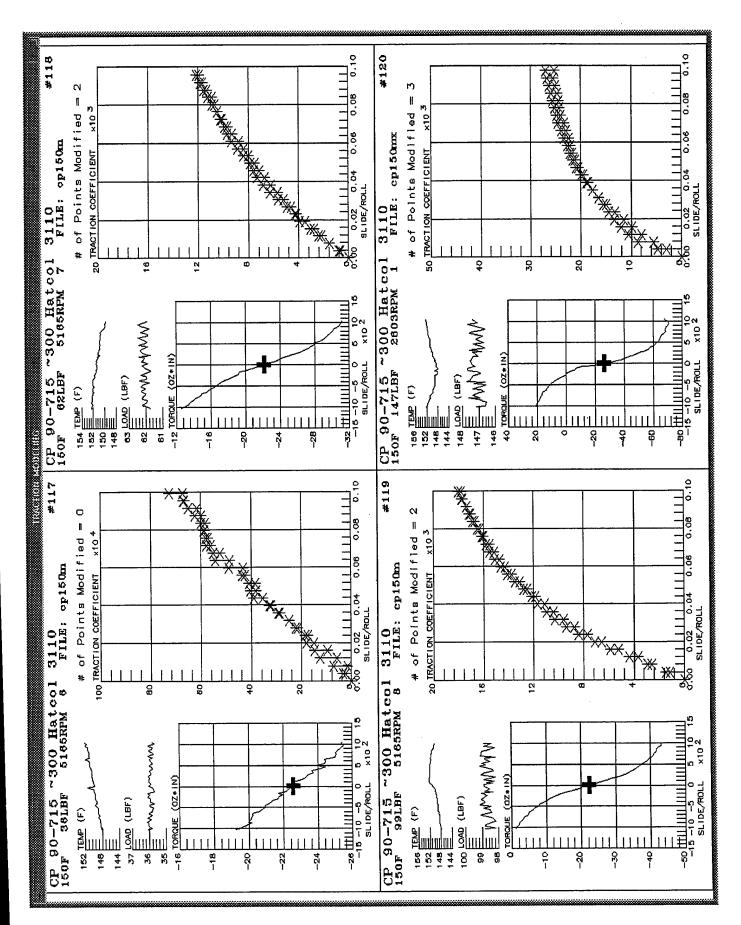


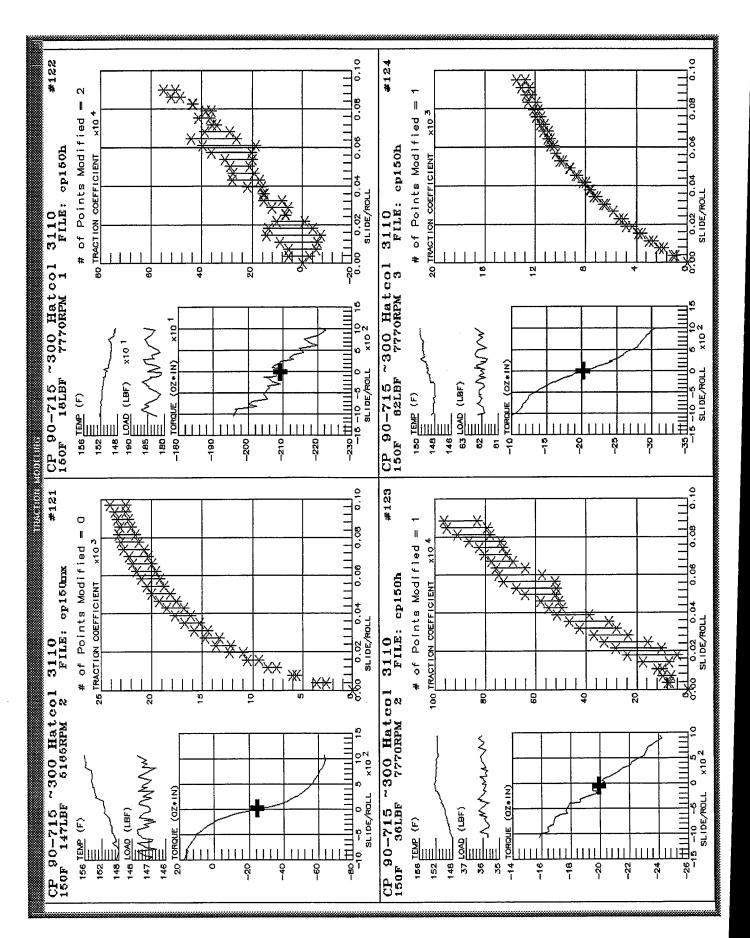


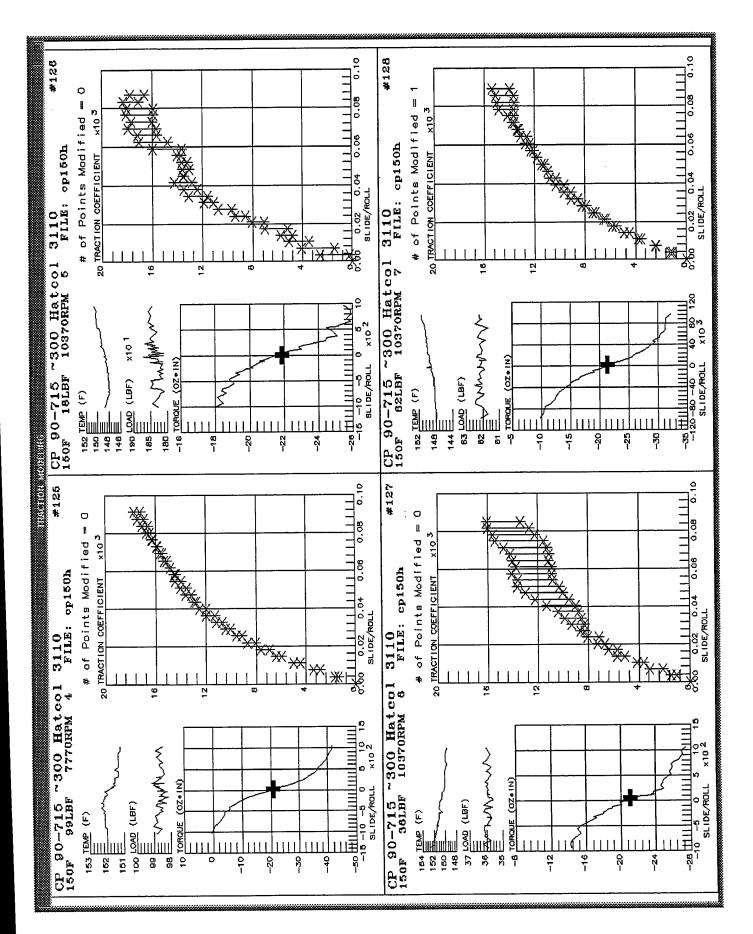


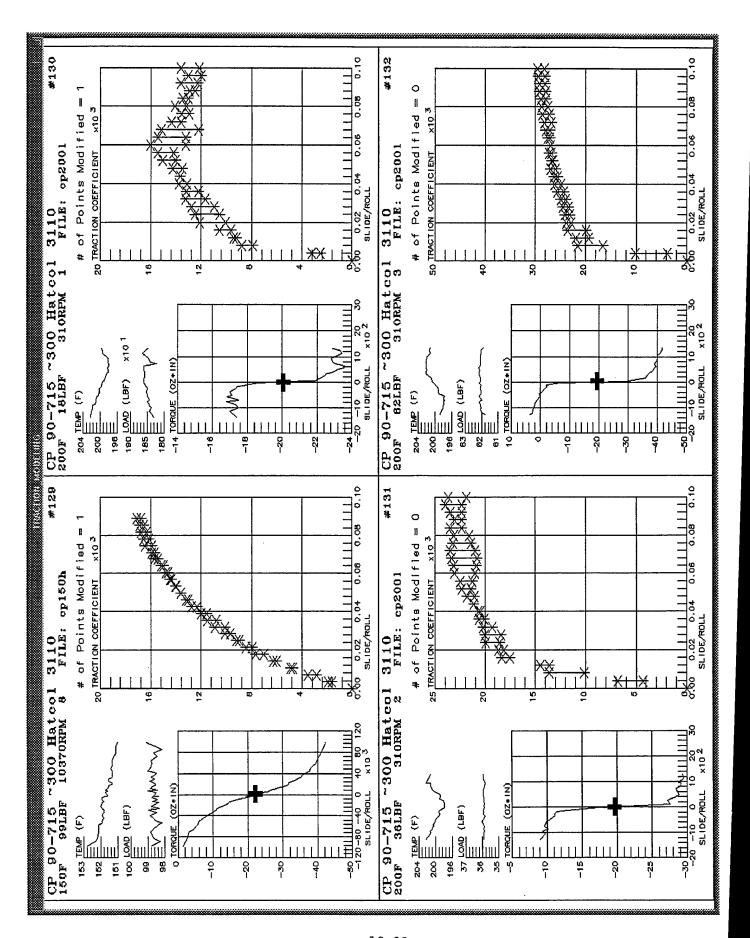


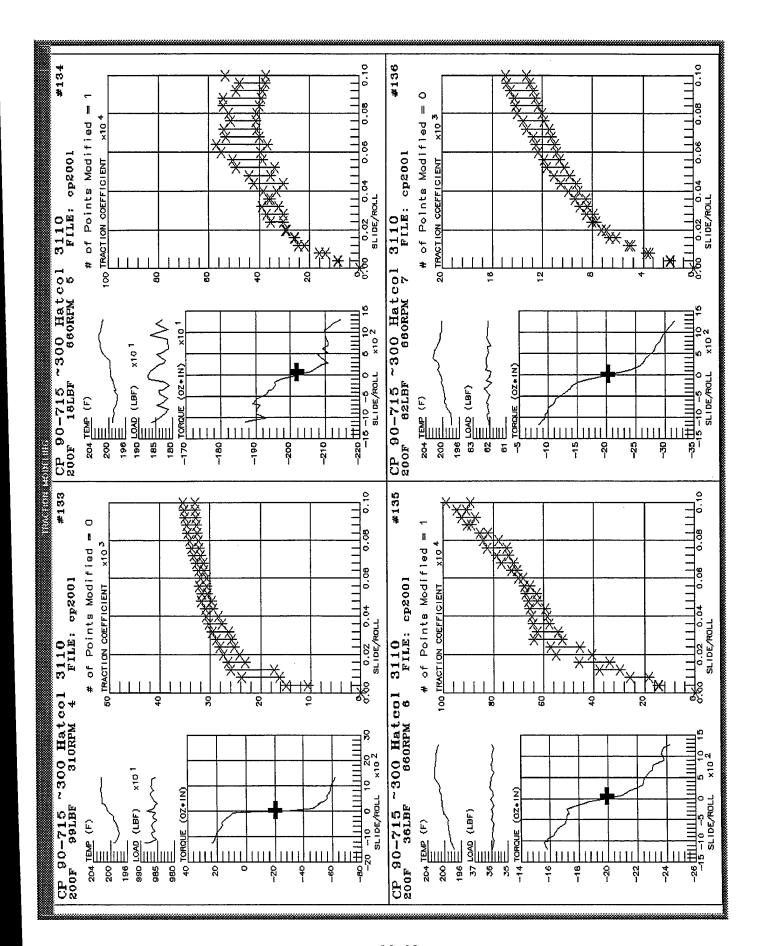


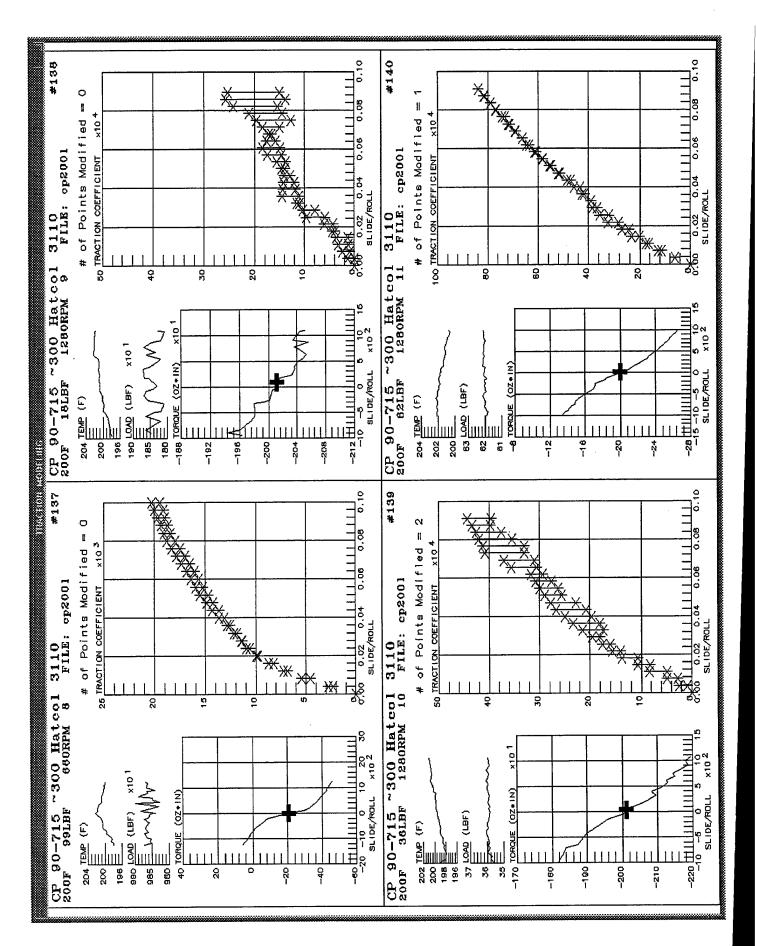


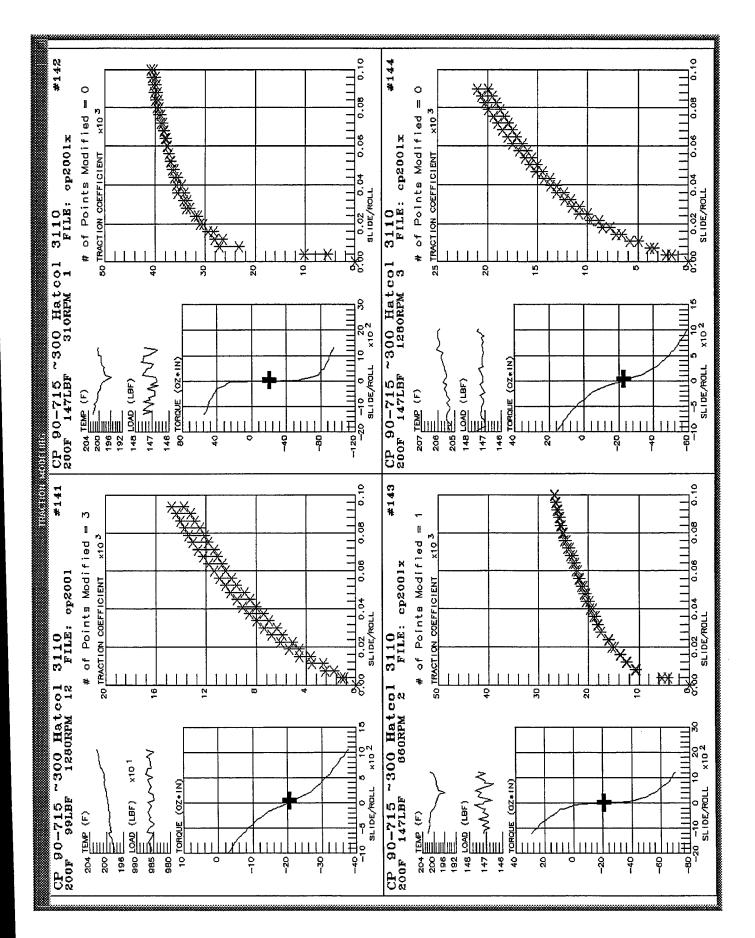


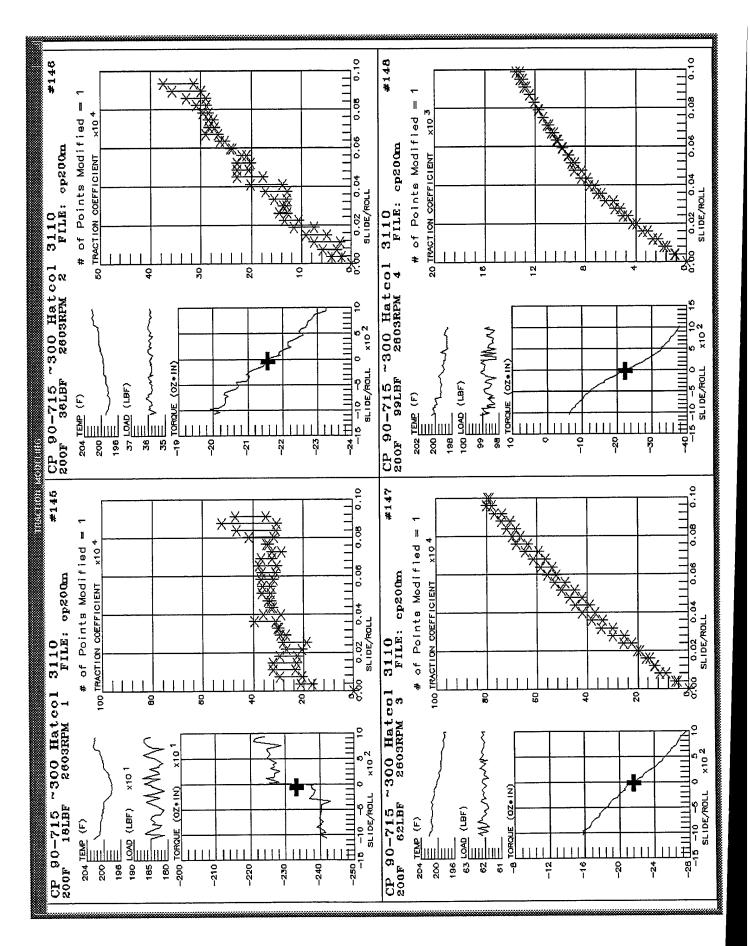


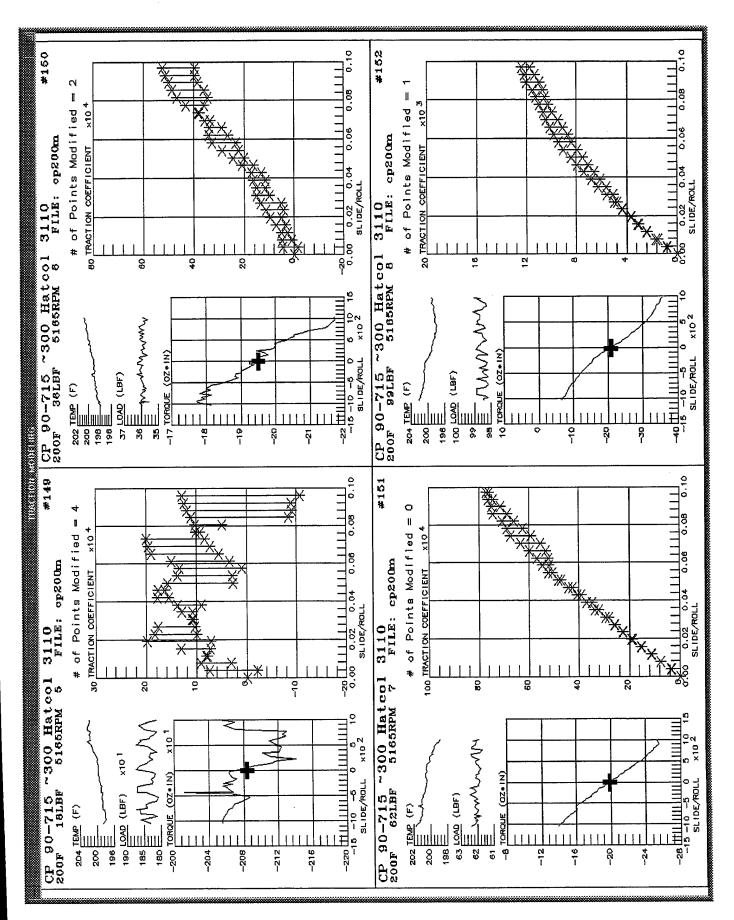


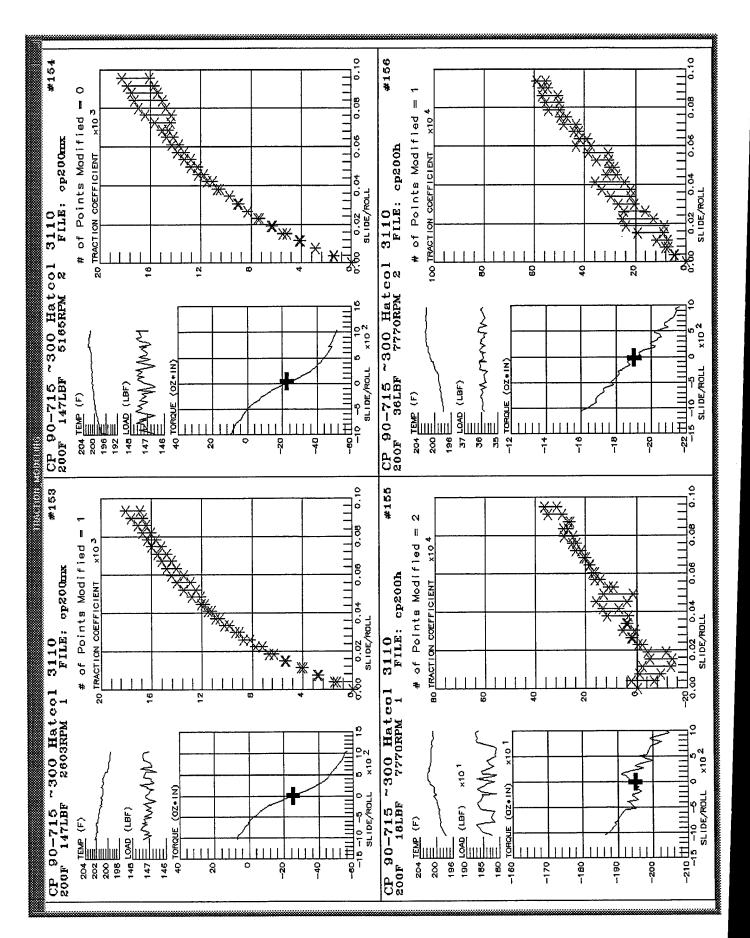


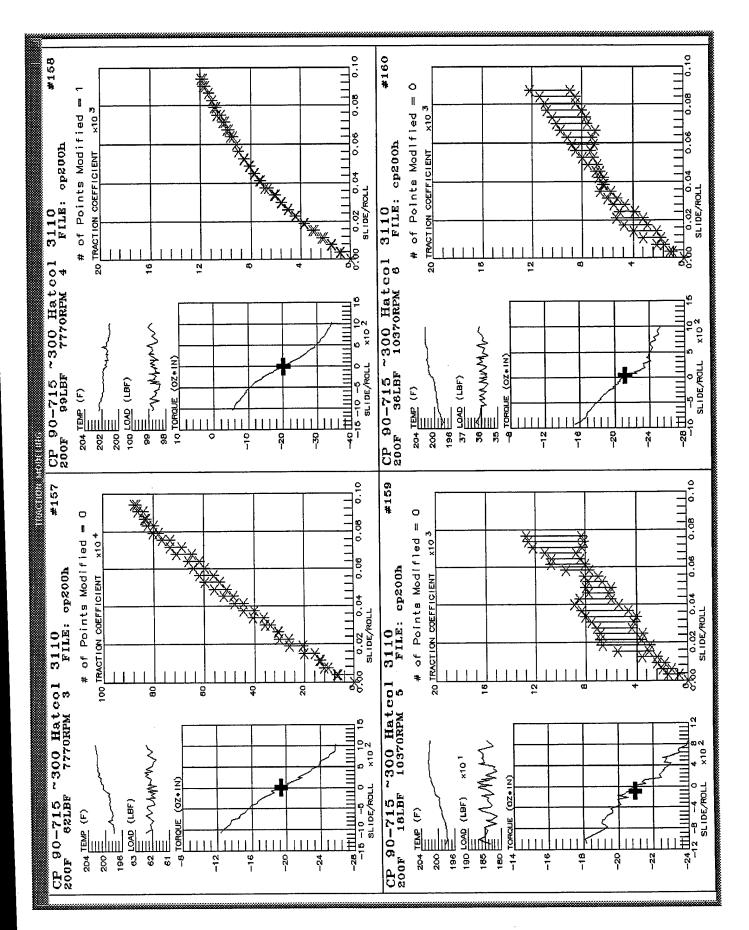


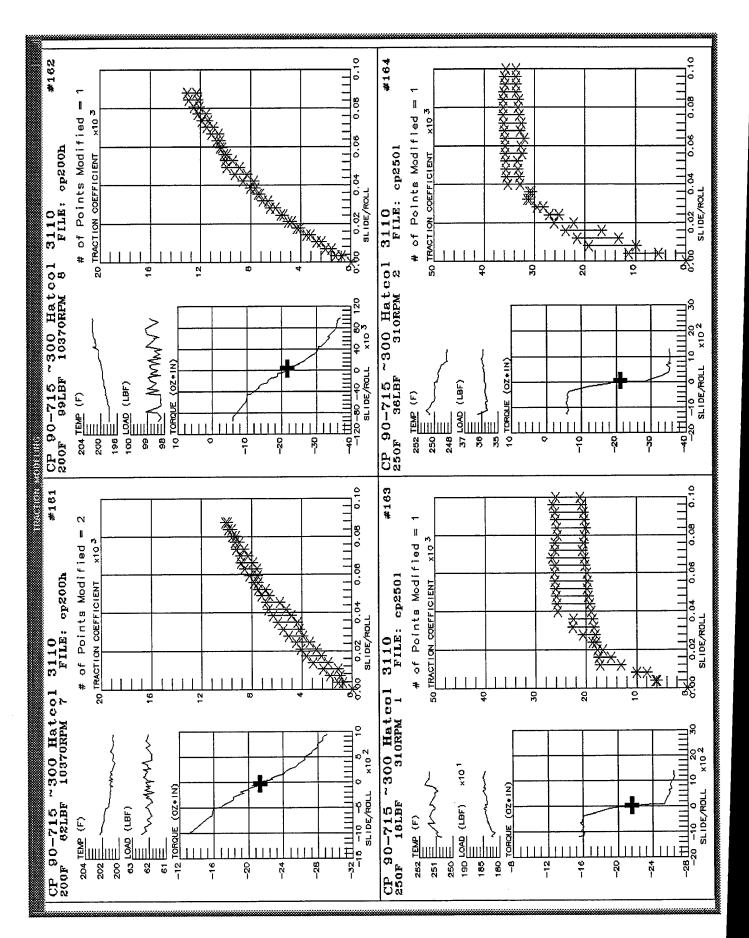


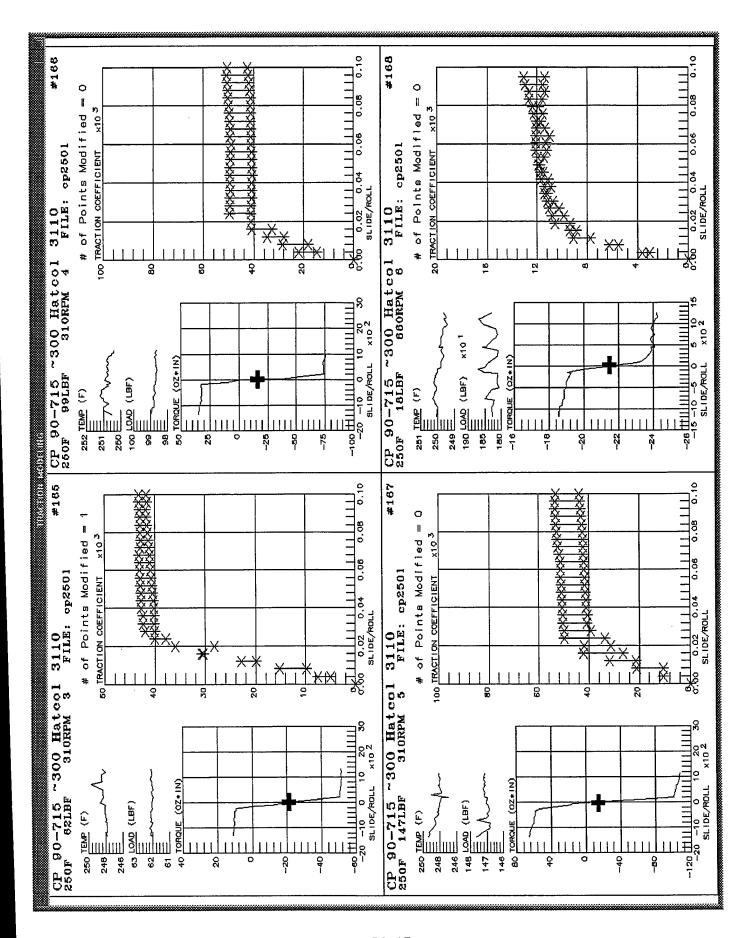


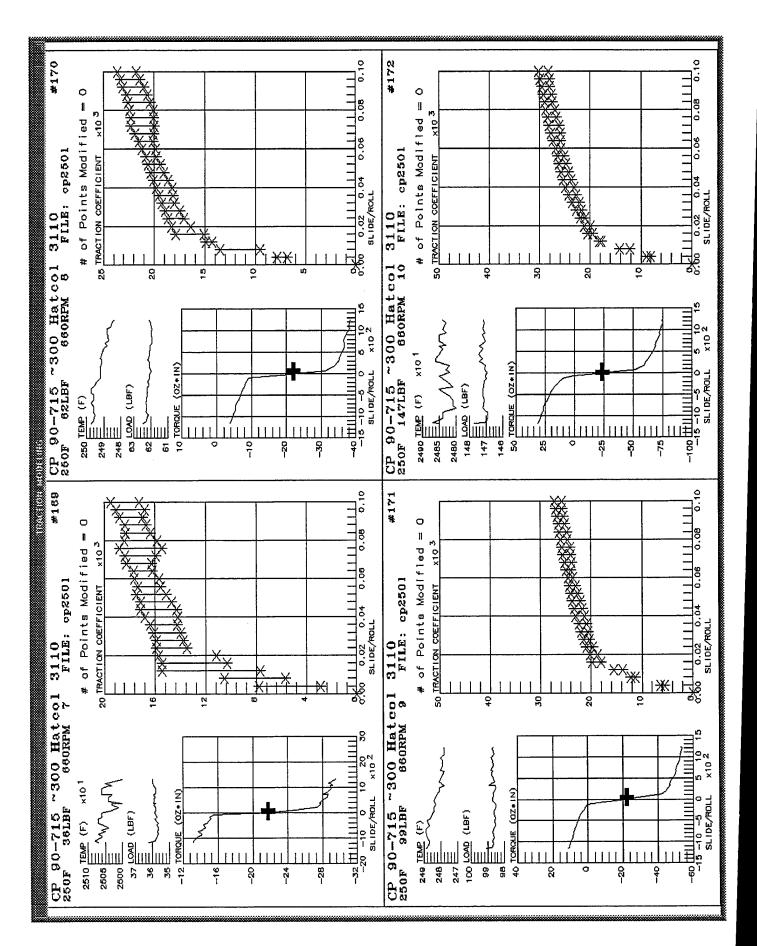


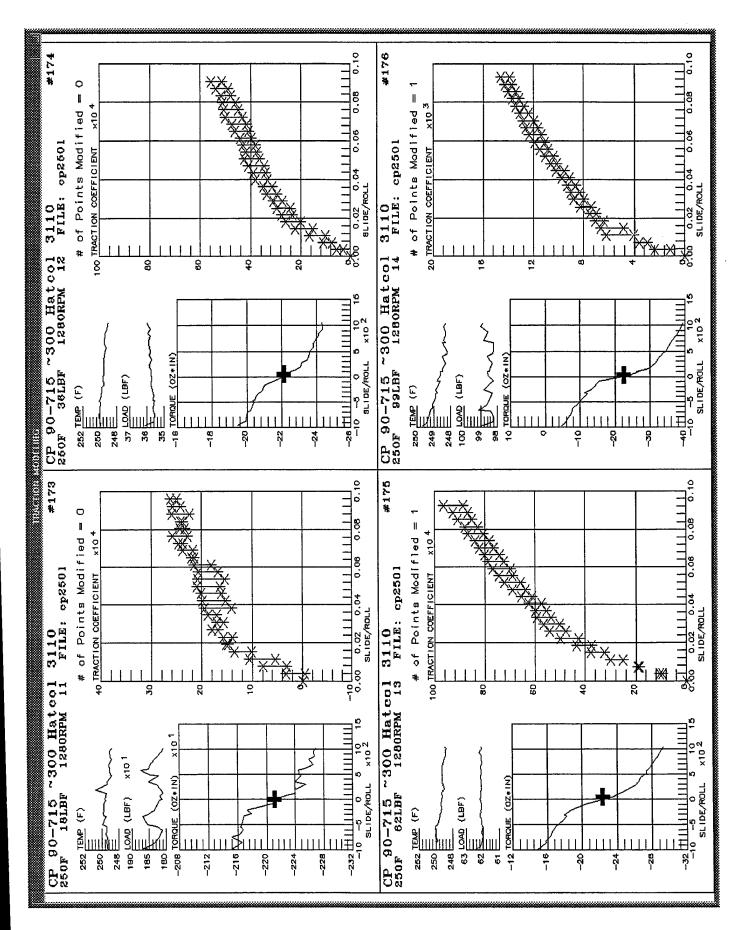


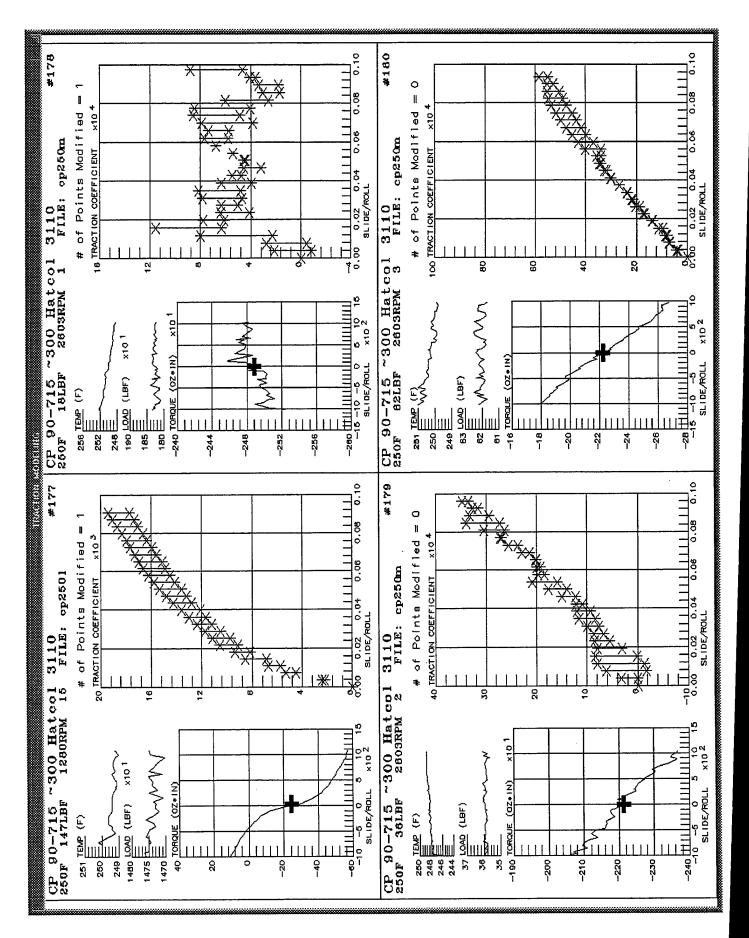


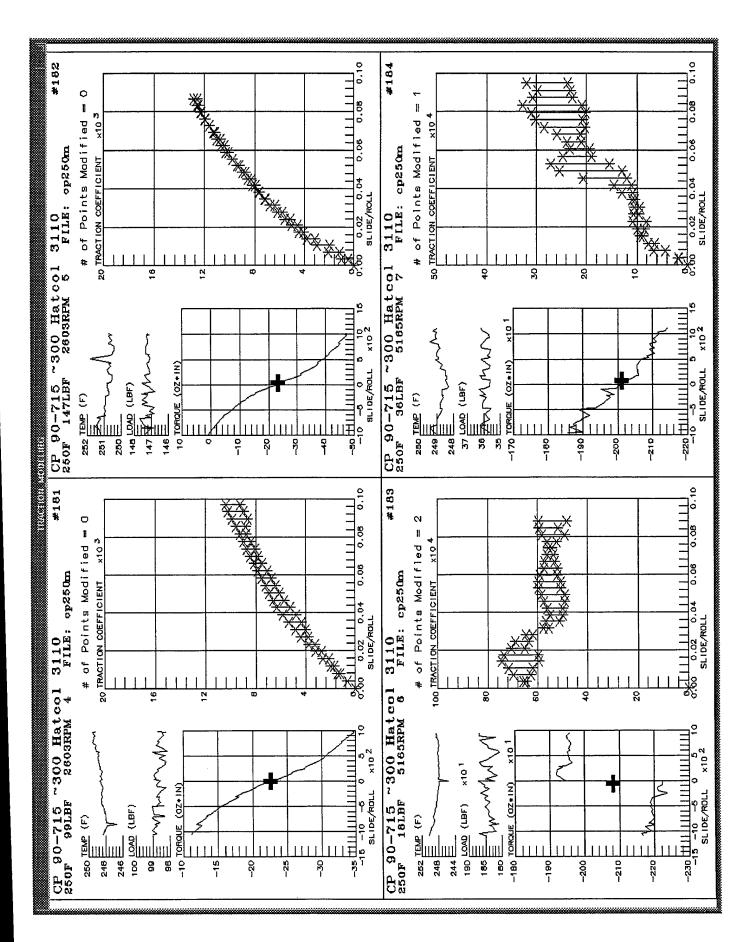


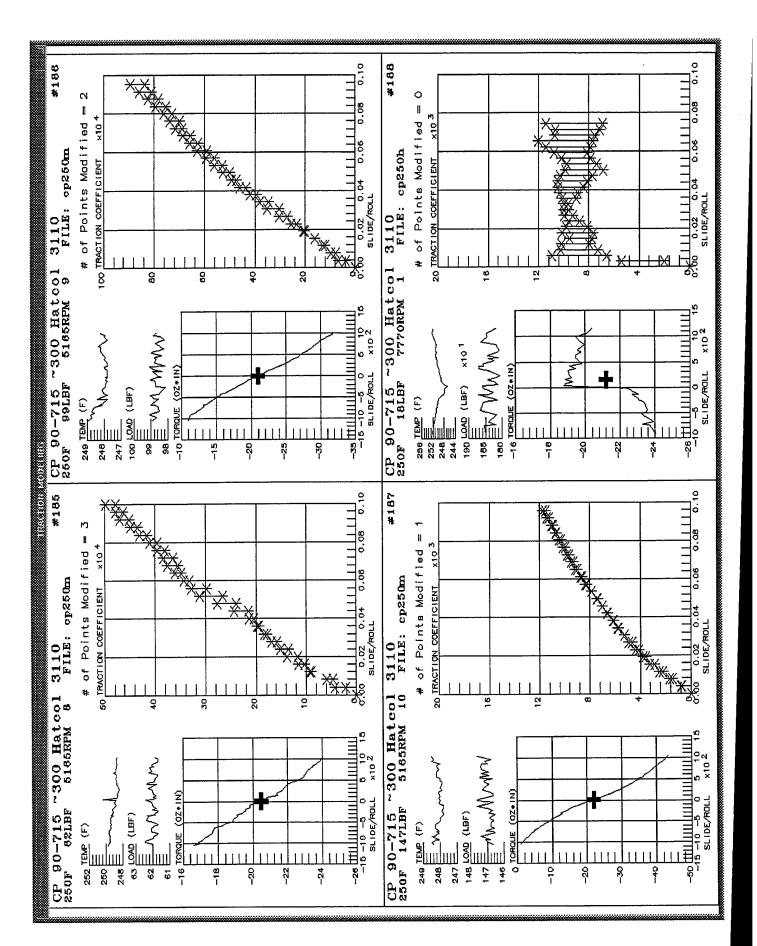


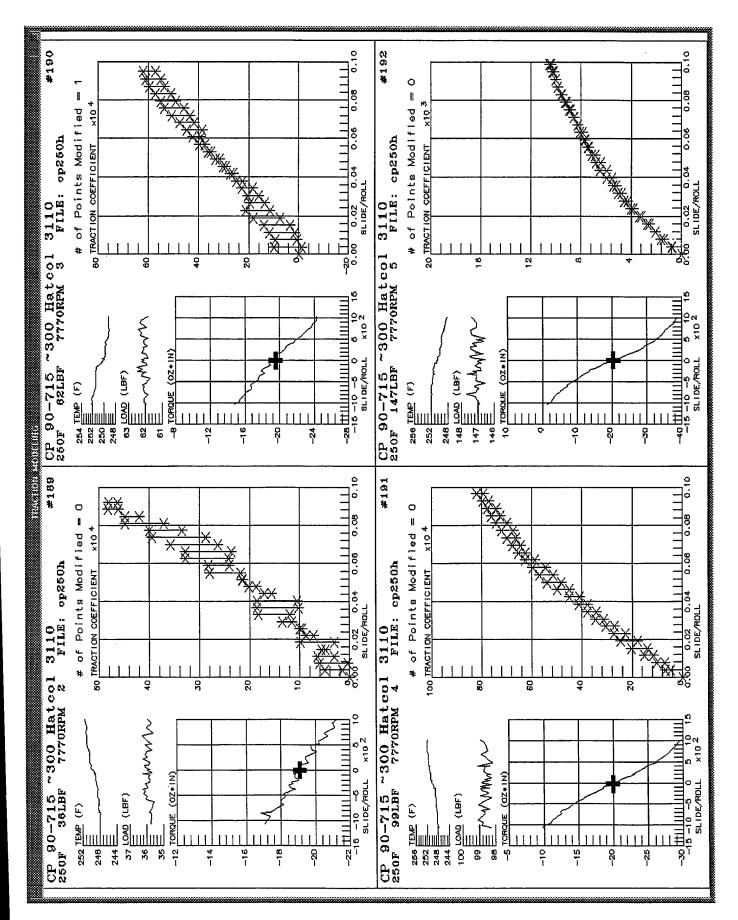


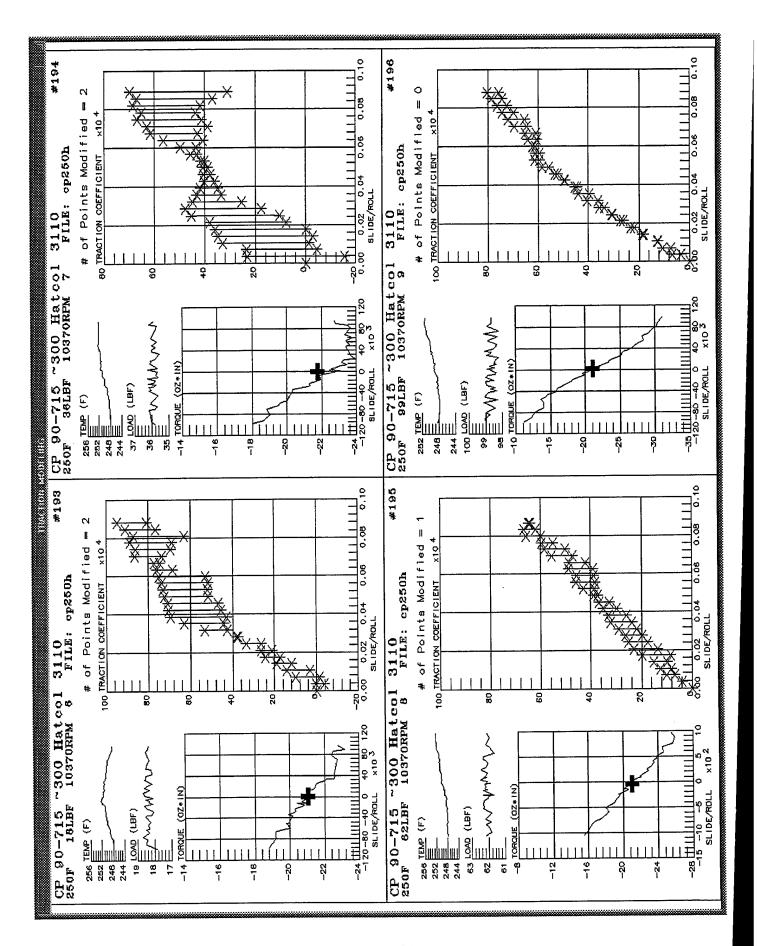


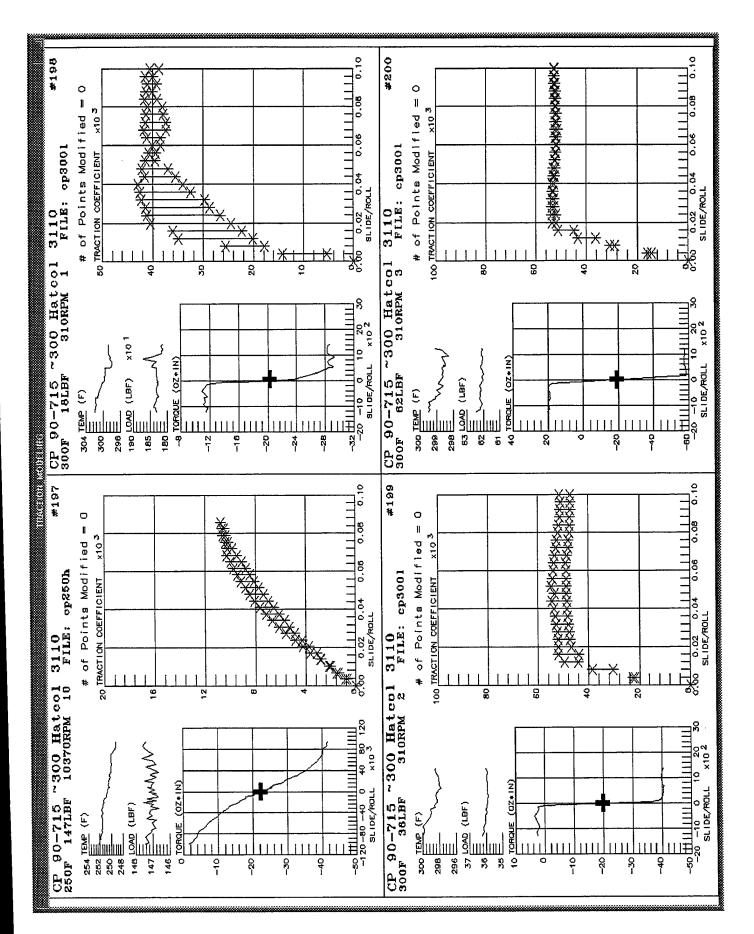


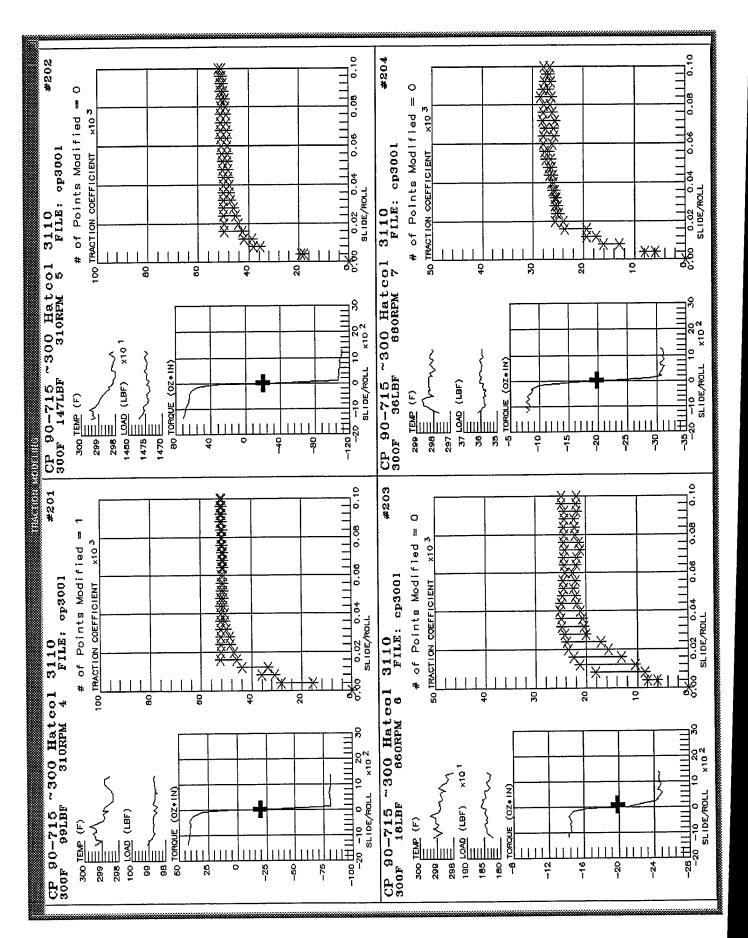


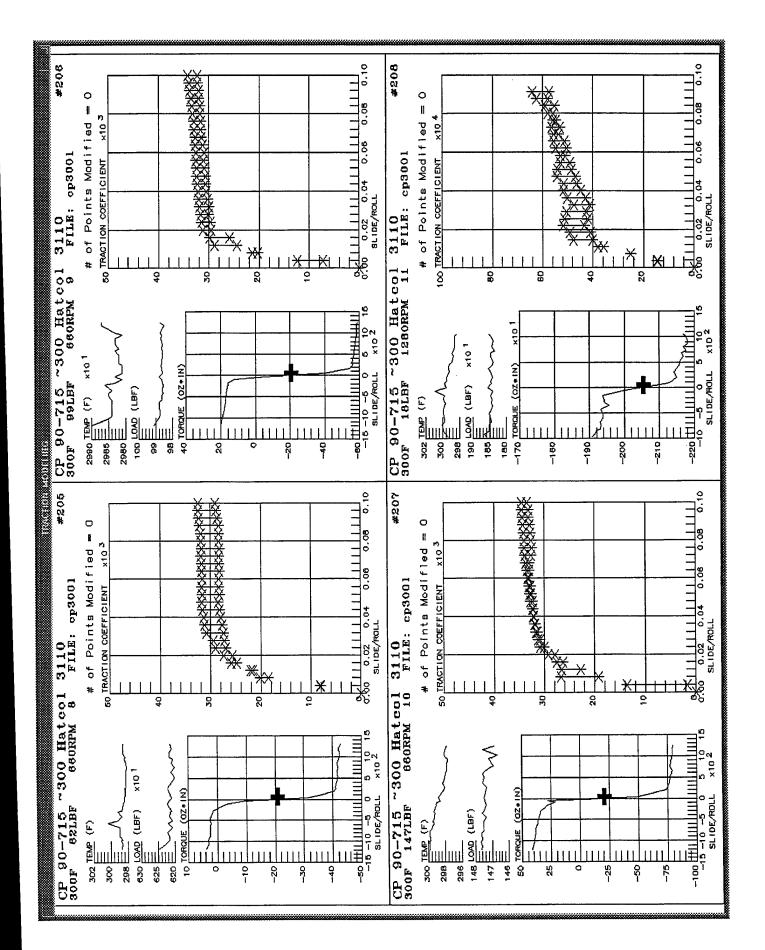


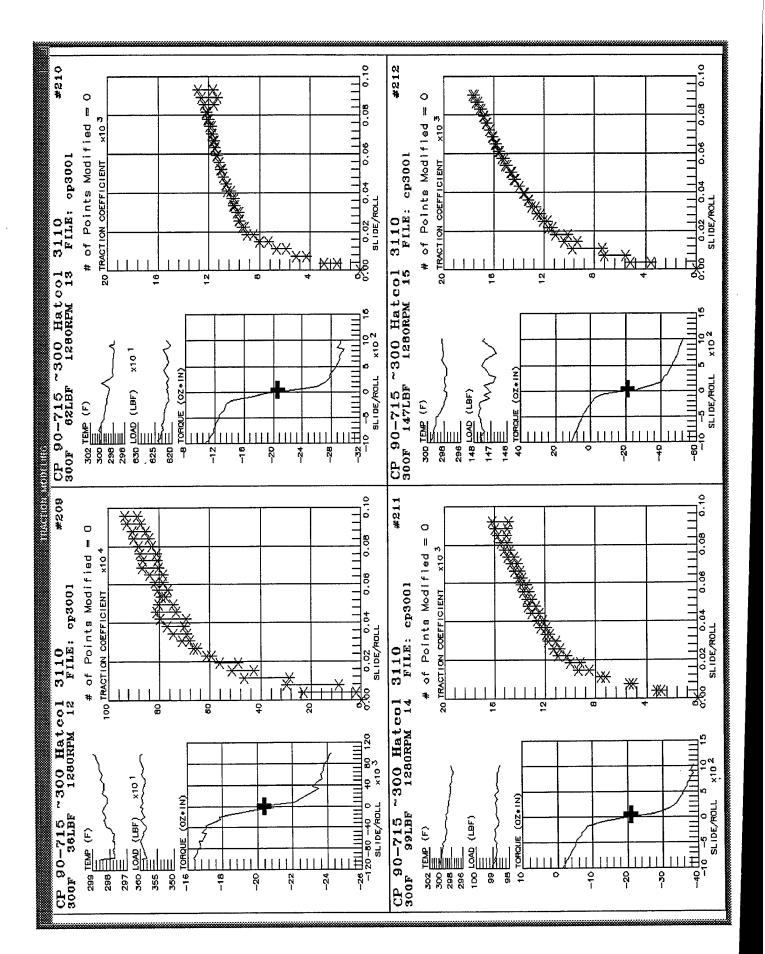


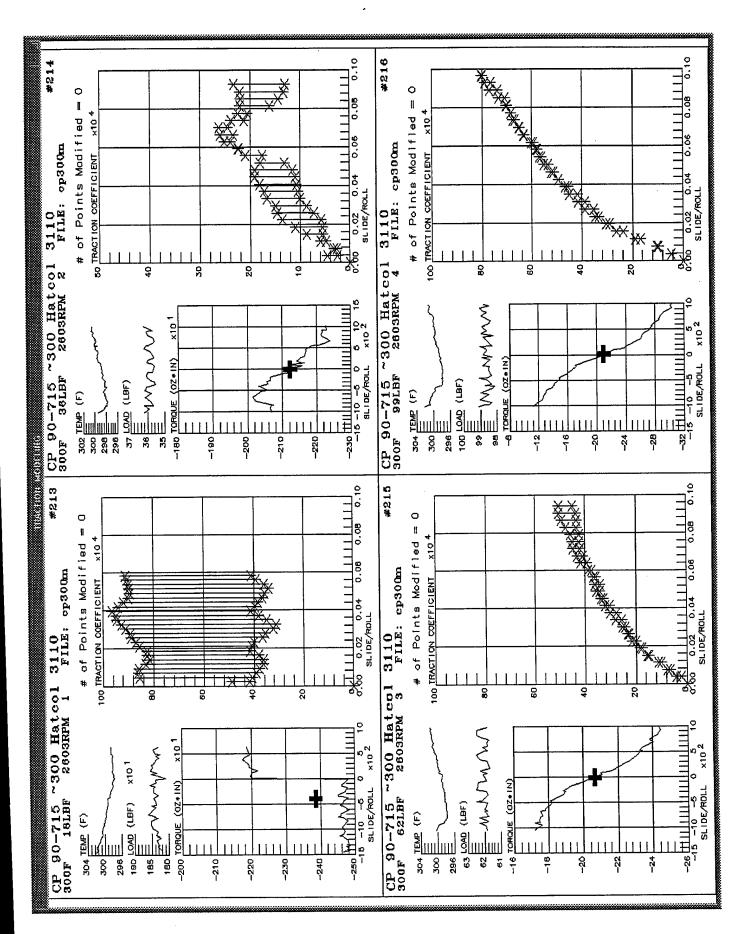


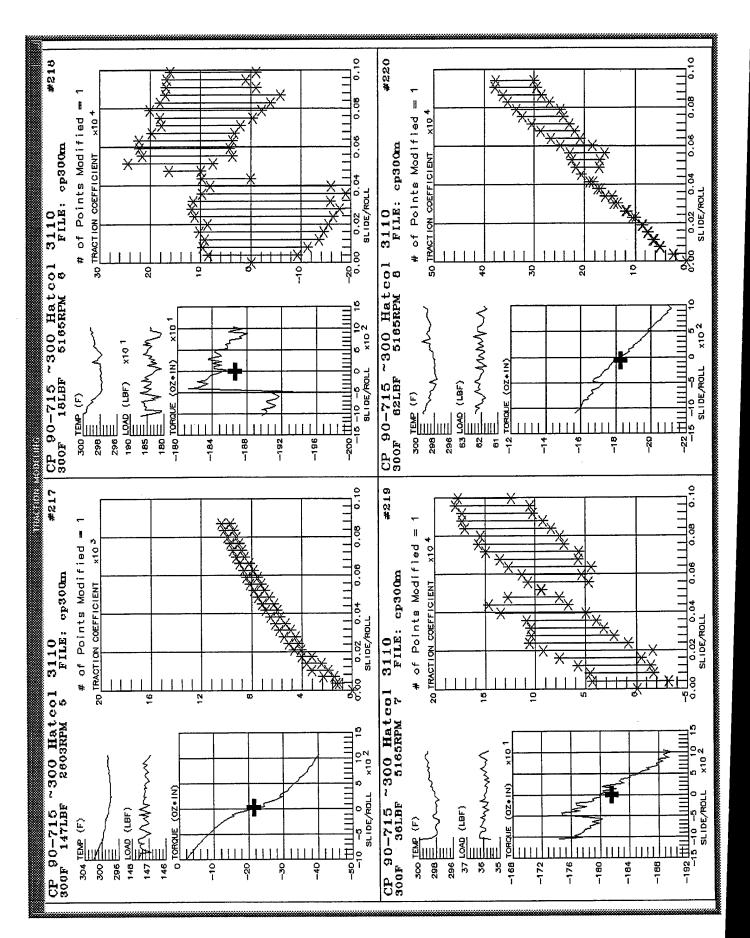


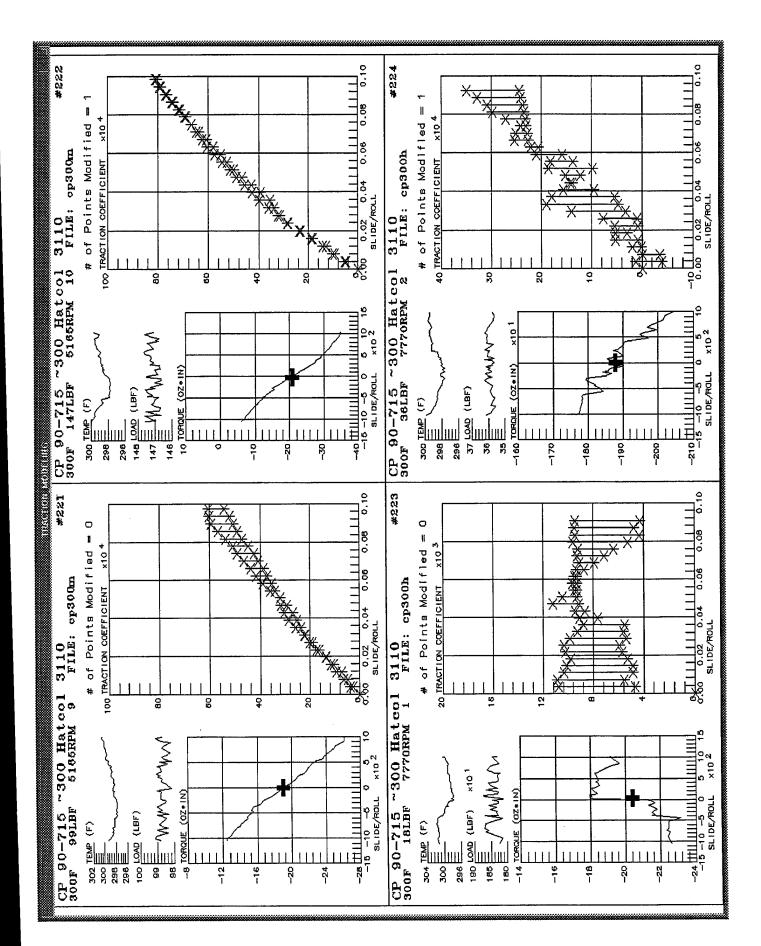


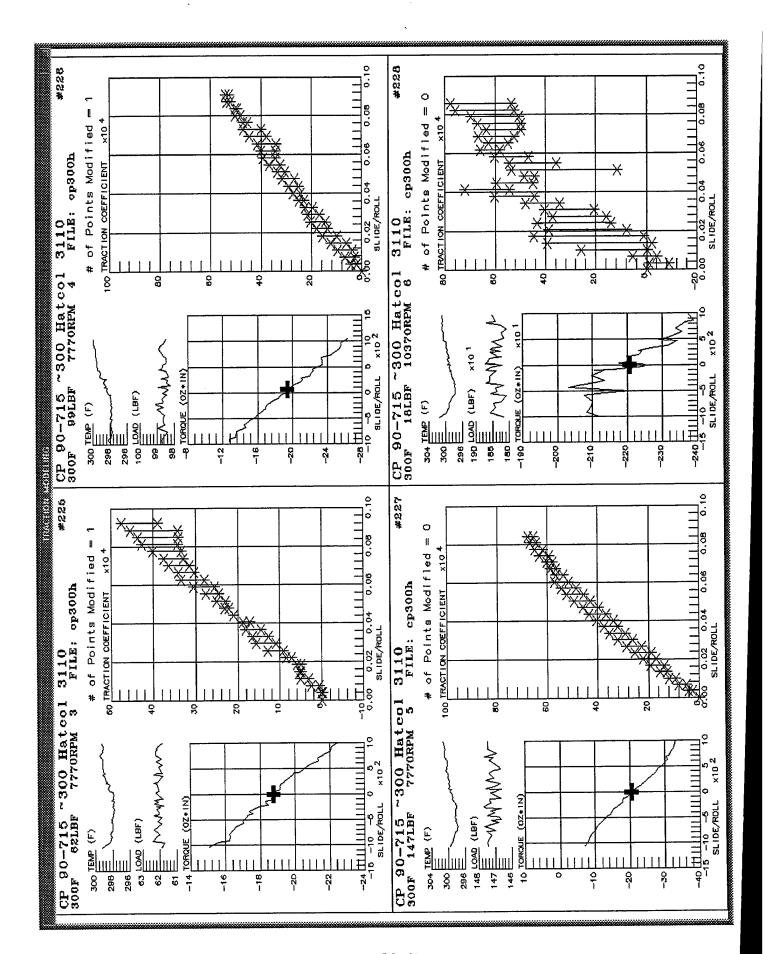


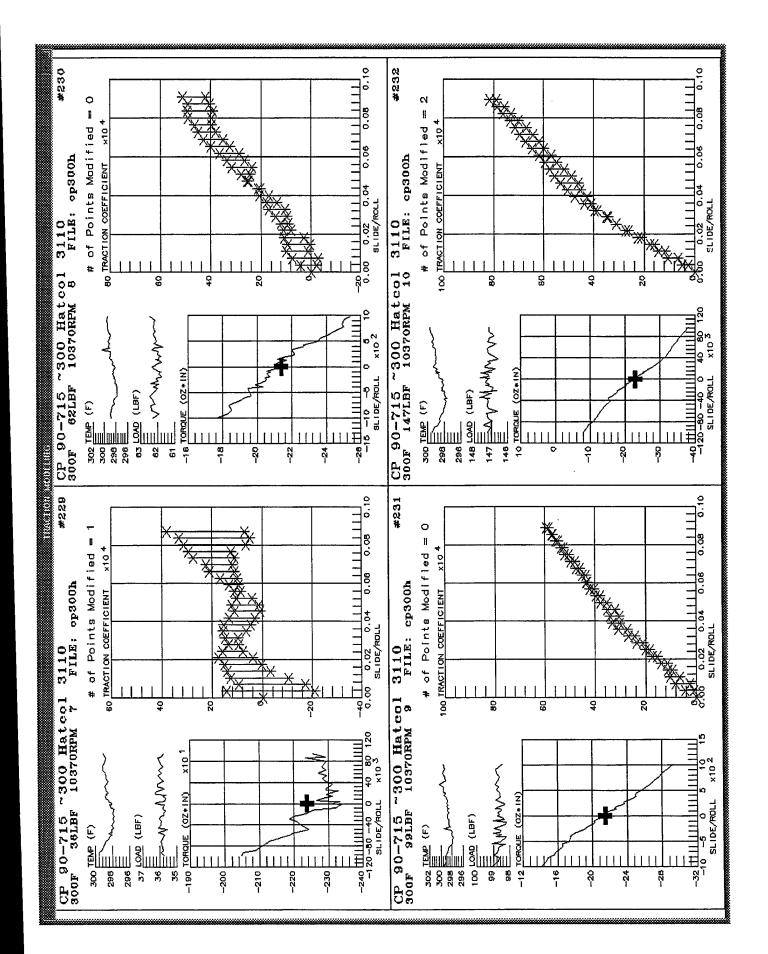






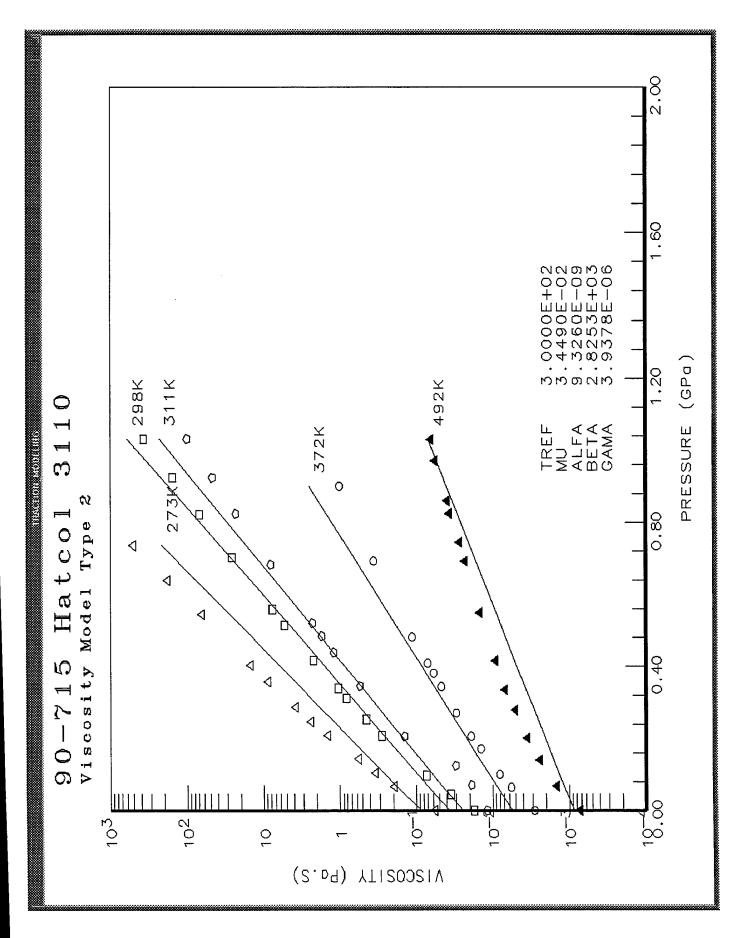


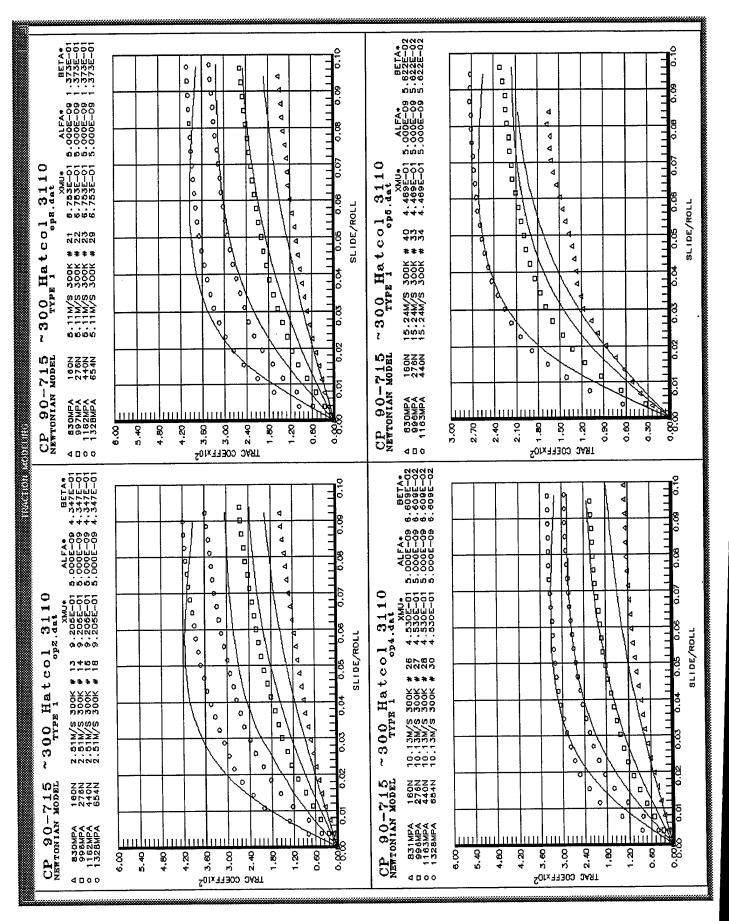


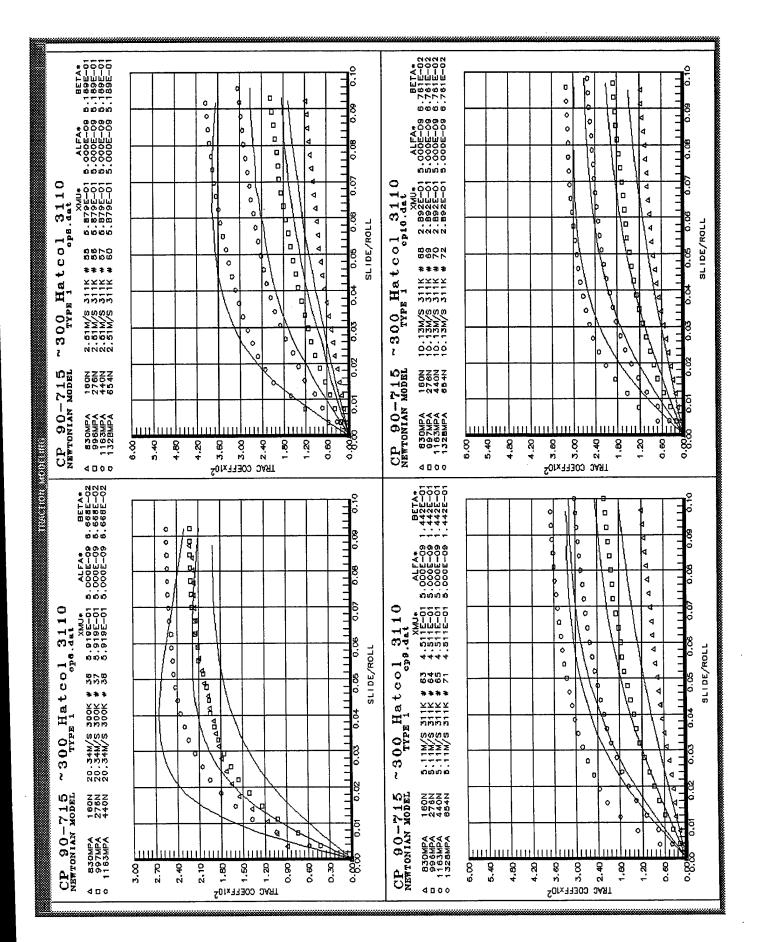


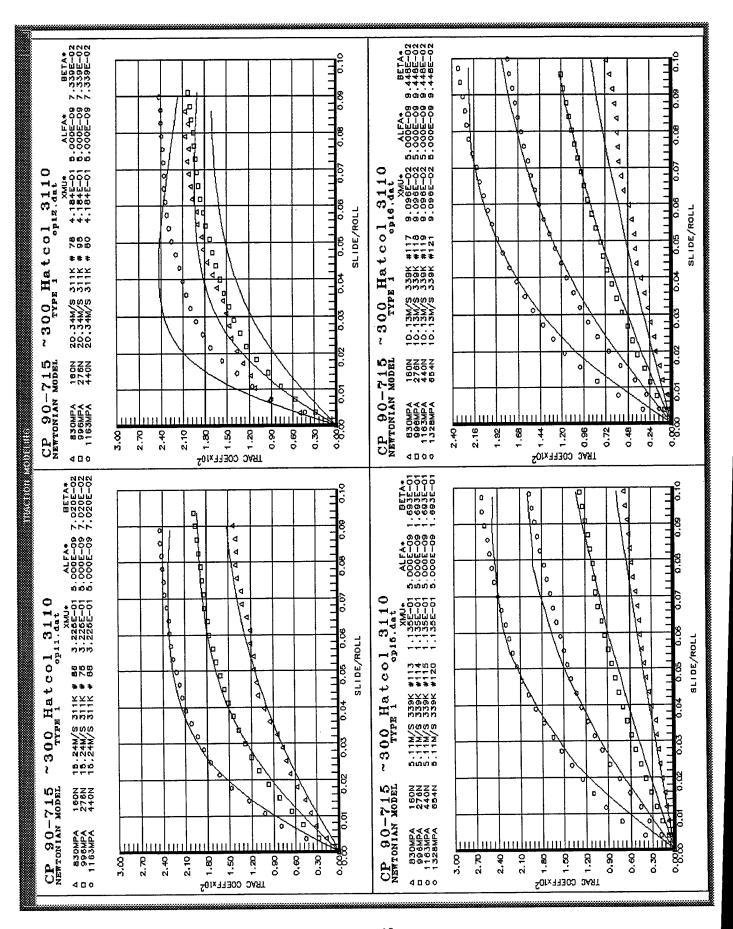
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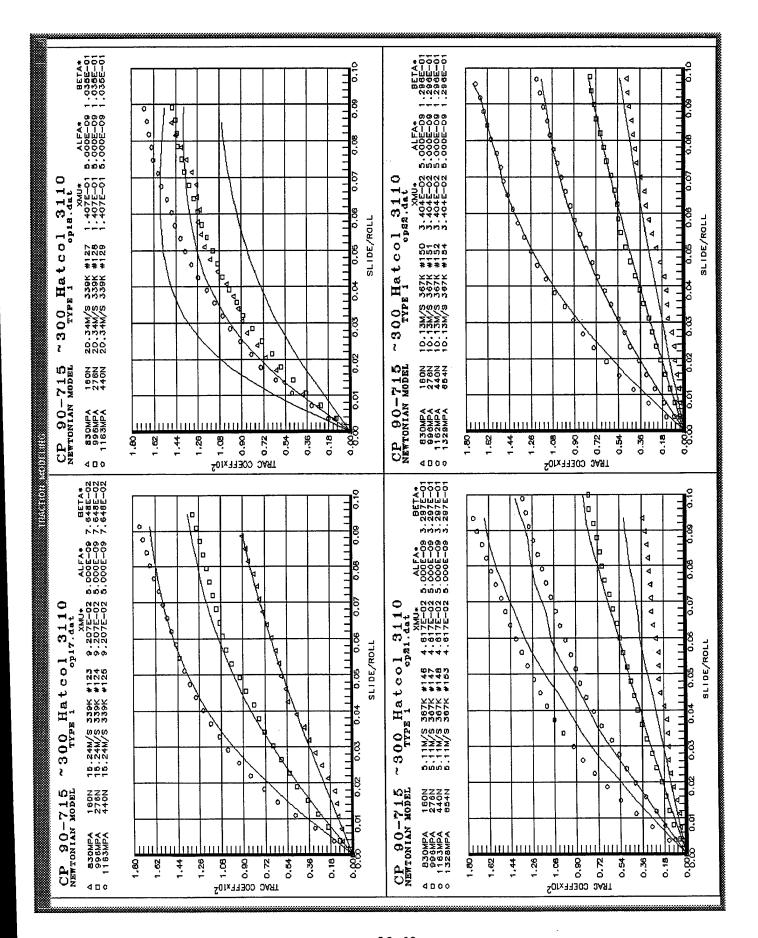
NEWTONIAN	MODEL T	YPE 1			
Dataset Name	Inlet Temp		XMU*	ALFA*	BETA*
	(K)	(M/S)	(Pa.S)	(1/Pa)	(1/K)
cp2.dat	3.0000E+02		9.2051E-01	5.0000E-09 5.0000E-09	4.3473E-01 1.3732E-01
cp3.dat	3.0000E+02 3.0000E+02		6.7526E-01 4.5299E-01	5.0000E-09	6.6092E-02
cp4.dat cp5.dat	3.0000E+02		4-4691E-01	5.0000E-09	5.6217E-02
cp6.dat	3.0000E+02		5.9185E-01	5.0000E-09	6.6681E-02
cp8.dat	3.1111E+02		5.8793E-01	5.0000E-09	5.1887E-01
cp9.dat	3.1111E+02		4.5114E-01	5.0000E-09	1.4422E-01
cp10.dat	3.1111E+02		2.8924E-01	5.0000E-09	6.7605E-02
cp11.dat	3.1111E+02		3.2249E-01 4.1836E-01	5.0000E-09 5.0000E-09	7.0198E-02 7.3390E-02
cp12.dat	3.1111E+02 3.3889E+02		1.1348E-01	5.0000E-09	1.6931E-01
cp15.dat cp16.dat	3.3889E+02		9.0962E-02	5.0000E-09	9.4484E-02
cp17.dat	3.3889E+02		9.2071E-02	5.0000E-09	7.6482E-02
cp18.dat	3.3889E+02		1.4068E-01	5.0000E-09	1.0353E-01
cp21.dat	3.6667E+02	5.1062E+00	4.6175E-02	5.0000E-09	3.2969E-01
cp22.dat	3.6667E+02	1.0132E+01	3.4040E-02	5.0000E-09	1.2959E-01
cp23.dat	3.6667E+02		3.5020E-02	5.0000E-09	9.9915E-02
cp24.dat	3.6667E+02		5.7679E-02	5.0000E-09	1.6787E-01
cp28.dat	3.9444E+02		1.2017E-02	5.0000E-09	2.4156E-01
cp29.dat	3.9444E+02		1.4485E-02 1.6237E-02	5.0000E-09 5.0000E-09	2.0209E-01 1.7232E-01
cp30.dat cp34.dat	3.9444E+02 4.2222E+02		5.6320E-03	5.0000E-09	2.3484E-01
cp34.dat	4.2222E+02		5.4121E-03	5.0000E-09	2.9816E-01
cp36.dat	4.2222E+02		5.7573E-03	5.0000E-09	1.8792E-01

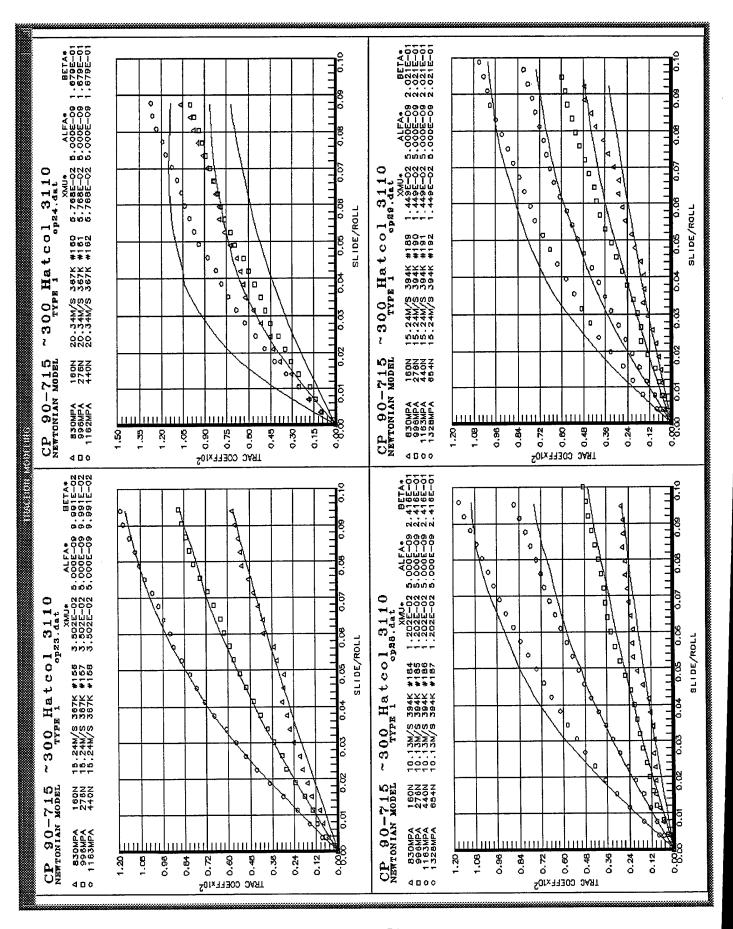


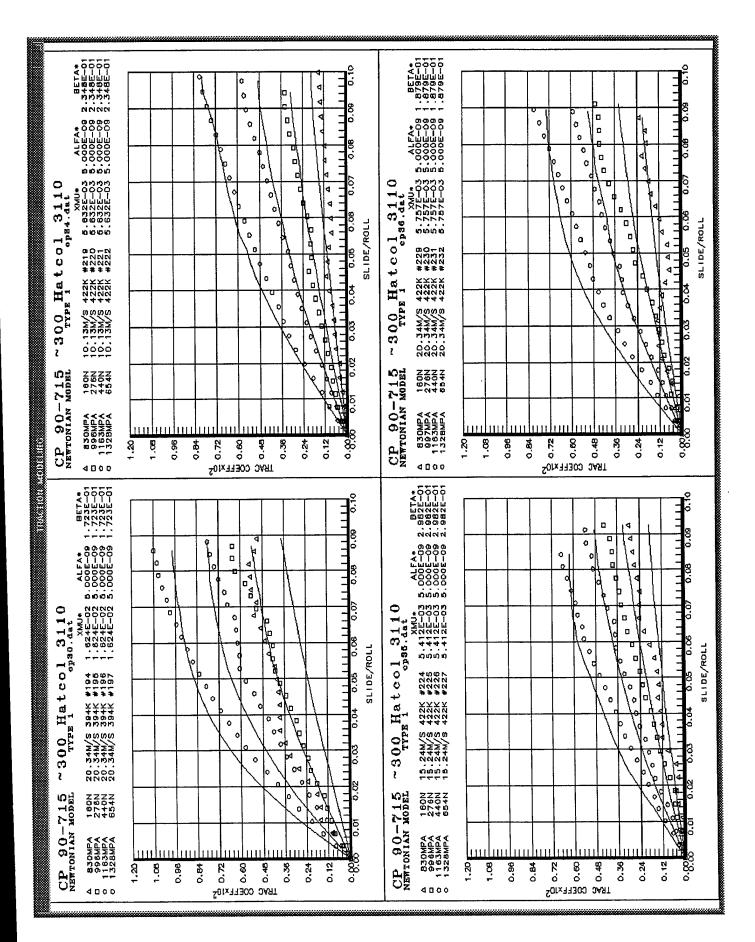












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13. Traction Data Set L: 91-119 Pennzane

Data set name: BP 91-119 Pennzane Rolling radii [Disks 1 & 2] (in): 0.75 0.75 Crown radii [Disks 1 & 2] (in): 15.00 13.00

Number of data sets found = 156

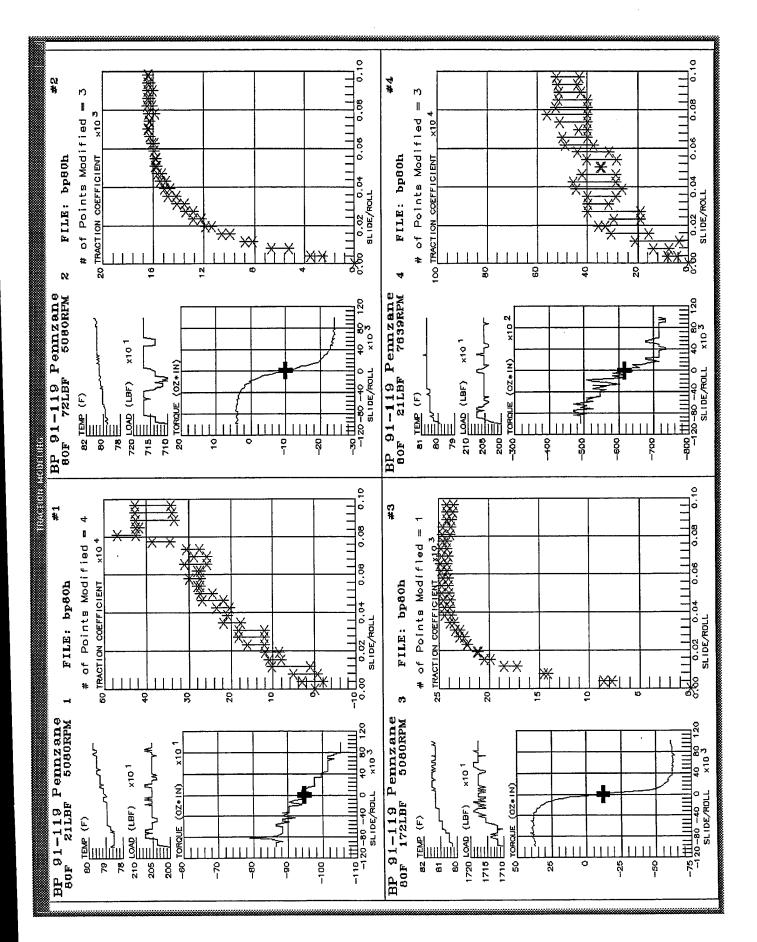
	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	0 Load1	alibra Load2	tion F Rpm1	actors Rpm2	Torq	SqDev	Dataset/Test #
				F770 00	5080.00	100	0.71	1.49	1.00	1.00	1.00	6.37E-06	bp80h #1
1	80.00	20.52	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	6.29E-06	bp80h #2
2	80.00	71.64	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	1.03E-05	bp80h #3
3	80.00	171.75	4830.00	5330.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	3.55E-05	bp80h #4
4	80.00	20.52	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	8.62E-06	bp80h #5
5	80.00	71.64	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	7.46E-06	bp80h #6
6	80.00	171.75	7259.00	8019.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.37E-05	bp80h #7
7	80.00	20.52	9688.00	10708.00		100	0.71	1.49	1.00	1.00	1.00	3.78E-06	bp80h #8
8	80.00	71.64	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	8.60E-06	bp80h #9
9	80.00	171.75	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	5.38E-03	bp80l #1
10	80.00	1.35	68.00	84.00	76.00 76.00	100	0.71	1.49	1.00	1.00	1.00	4.31E-04	bp80l #2
11	80.00	3.48	68.00	84.00		100	0.71	1.49	1.00	1.00	1.00	3.92E-04	bp80l #3
12	80.00	8.45	68.00	84.00	76.00	100	0.71	1.49	1.00	1.00	1.00	7.75E-05	bp80l #4
13	80.00	20.52	68.00	84.00	76.00	100	0.71	1.49	1.00	1.00	1.00	8.04E-04	bp80l #5
14	80.00	71.64	68.00	84.00	76.00		0.71	1.49	1.00	1.00	1.00	2.18E-03	bp80l #6
15	80.00	171.75	68.00	84.00	76.00	100		1.49	1.00	1.00	1.00	2.26E-03	bp80l #7
16	80.00	1.35	137.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	2.15E-04	bp801 #8
17	80.00	3.48	137.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	1.13E-03	bp80l #9
18	80.00	8.45	137.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	1.73E-04	bp80l #10
19	80.00	20.52	137.00	167.00	152.00	100	0.71	1.49		1.00	1.00	4.98E-04	bp80l #11
20	80.00	71.64	137.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	1.15E-03	bp801 #12
21	80.00	171.75	137.00	167.00	152.00	100	0.71	1.49		1.00	1.00	4.60E-04	bp801 #13
22	80.00	1.35	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	8.64E-05	bp80l #14
23	80.00	3.48	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	1.73E-04	bp801 #15
24	80.00	8.45	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	1.77E-05	bp801 #16
25	80.00	20.52	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	7.44E-05	bp80l #17
26	80.00	71.64	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	2.15E-04	bp80l #18
27	80.00	171.75	318.00	368.00	343.00	100	0.71 0.71	1.49 1.49	1.00	1.00	1.00	1.08E-04	bp801 #19
28	80.00	1.35	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	2.66E-05	bp80l #20
29	80.00	3.48	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	2.69E-05	bp80l #21
30	80.00	8.45	1208.00	1388.00	1298.00	100 100	0.71	1.49	1.00	1.00	1.00	4.68E-06	bp80l #22
31	80.00	20.52	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	1.02E-05	bp80l #23
32	80.00	71.64	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	1.78E-05	bp80l #24
33	80.00	171.75	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	4.70E-06	bp80lx #1
34	80.00	20.52	2429.00	2689.00	2559.00 2559.00	100	0.71	1.49	1.00	1.00	1.00	4.18E-06	bp80lx #2
35	80.00	71.64	2429.00	2689.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	6.81E-06	bp80lx #3
36	80.00	171.75	2429.00	2689.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	2.38E-05	bp100h #1
37	100.00	20.52	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	6.16E-06	bp100h #2
38	100.00	71.64	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	3.11E-05	bp100h #3
39	100.00	171.75	4830.00	5330.00		100	0.71	1.49	1.00	1.00	1.00	1.10E-05	bp100h #4
40	100.00	20.52	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	5.62E-06	bp100h #5
41	100.00	71.64	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	3.29E-05	bp100h #6
42	100.00	171.75	7259.00	8019.00	7639.00 10198.00	100	0.71	1.49	1.00	1.00	1.00	1.00E-05	bp100h #7
43	100.00	20.52	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	3.48E-06	bp100h #8
44	100.00	71.64	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	2.48E-06	bp100h #9
45	100.00	171.75	9688.00	10708.00	76.00	100	0.71	1.49	1.00	1.00	1.00	2.18E-04	bp100l #1
46	100.00	20.52	68.00	84.00 84.00	76.00	100	0.71	1.49	1.00	1.00	1.00	7.16E-04	bp100l #2
47	100.00	71.64	68.00	84.00	76.00	100	0.71	1.49	1.00	1.00	1.00	4.59E-03	bp100l #3
48	100.00	171.75	68.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	3.86E-05	bp100l #4
49	100.00	20.52	137.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	2.13E-04	bp100l #5
50	100.00	71.64	137.00	107.00	132.00	.00							

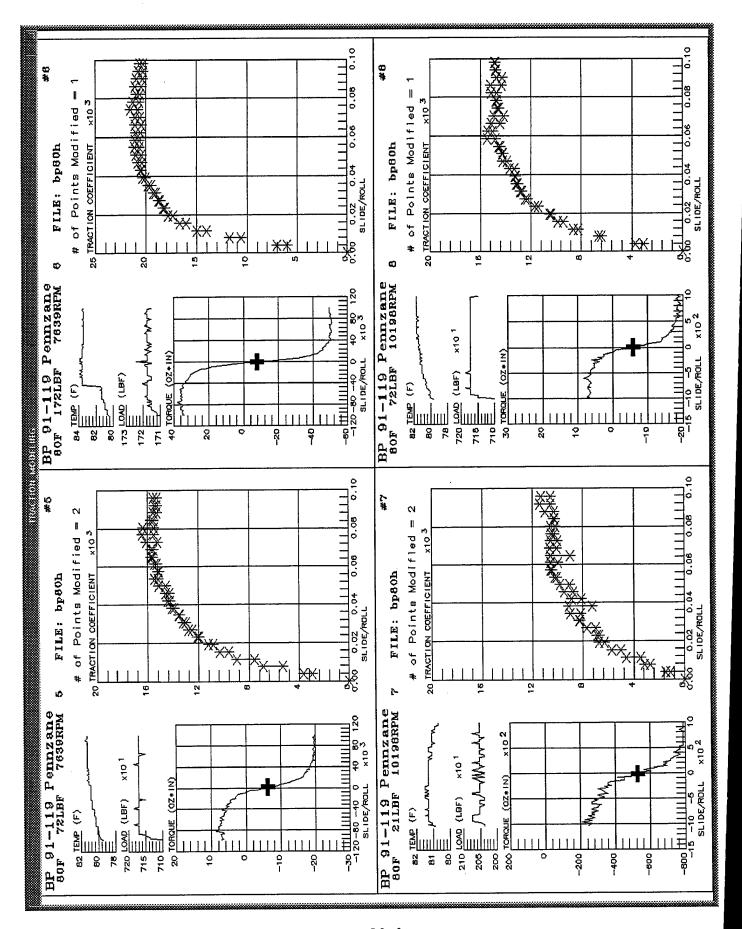
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52	100.00	20.52	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00 1.00	1.00 1.00	1.95E-05 6.81E-05	bp100l #7 bp100l #8
53 54	100.00 100.00	71.64 171.75	318.00 318.00	368.00 368.00	343.00 343.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00	1.00	1.65E-04	bp1001 #8
55	100.00	20.52	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	4.98E-06	bp100l #10
56	100.00	71.64	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	2.45E-05 7.28E-06	bp1001 #11 bp1001 #12
57 58	100.00 100.00	171.75 20.52	1208.00 2429.00	1388.00 2689.00	1298.00 2559.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.41E-05	bp1001 #12
59	100.00	71.64	2429.00	2689.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	2.79E-06	bp100l #14
60	100.00	171.75	2429.00	2689.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	9.98E-06	bp100l #15
61 62	150.00 150.00	20.52 71.64	4830.00 4830.00	5330.00 5330.00	5080.00 5080.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	3.00E-06 6.91E-06	bp150h #1 bp150h #2
63	150.00	171.75	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	2.01E-06	bp150h #3
64	150.00	20.52	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	2.37E-06	bp150h #4
65	150.00	71.64	7259.00	8019.00 8019.00	7639.00 7639.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.78E-05 4.39E-06	bp150h #5 bp150h #6
66 67	150.00 150.00	171.75 20.52	7259.00 9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	4.01E-06	bp150h #7
68	150.00	71.64	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	5.18E-06	bp150h #8
69	150.00	171.75	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	3.71E-06	bp150h #9 bp150l #1
70 71	150.00 150.00	20.52 71.64	68.00 68.00	84.00 84.00	76.00 76.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	4.27E-04 2.45E-04	bp150t #1
72	150.00	171.75	68.00	84.00	76.00	100	0.71	1.49	1.00	1.00	1.00	2.49E-03	bp150l #3
73	150.00	20.52	137.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	1.35E-04	bp1501 #4
74 75	150.00	71.64 171.75	137.00 137.00	167.00 167.00	152.00 152.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	7.23E-05 6.30E-05	bp150l #5 bp150l #6
75 76	150.00 150.00	20.52	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	1.82E-05	bp150l #7
77	150.00	71.64	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	1.94E-05	bp1501 #8
78 70	150.00	171.75 20.52	318.00 1208.00	368.00 1388.00	343.00 1298.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	4.40E-05 3.57E-06	bp150l #9 bp150l #10
79 80	150.00 150.00	71.64	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	2.35E-05	bp150l #11
81	150.00	171.75	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	1.40E-05	bp150l #12
82	150.00	20.52 71.64	2429.00 2429.00	2689.00 2689.00	2559.00 2559.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.88E-05 1.02E-05	bp150l #13 bp150l #14
83 84	150.00 150.00	171.75	2429.00	2689.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	3.41E-06	bp150l #15
85	200.00	20.52	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	1.89E-05	bp200h #1
86	200.00	71.64 171.75	4830.00 4830.00	5330.00 5330.00	5080.00 5080.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	9.24E-07 1.07E-05	bp200h #2 bp200h #3
87 88	200.00	20.52	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	9.90E-06	bp200h #4
89	200.00	71.64	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	1.58E-06	bp200h #5
90	200.00	171.75	7259.00	8019.00 10708.00	7639.00 10198.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.98E-06 1.27E-04	bp200h #6 bp200h #7
91 92	200.00	20.52 71.64	9688.00 9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	5.68E-07	bp200h #8
93	200.00	171.75	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.17E-06	bp200h #9
94	200.00	20.52	68.00	84.00	76.00 76.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	8.27E-05 1.96E-04	bp200l #1 bp200l #2
95 96	200.00	71.64 171.75	68.00 68.00	84.00 84.00	76.00	100	0.71	1.49	1.00	1.00	1.00	2.13E-04	bp2001 #3
97	200.00	20.52	137.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	3.11E-05	bp2001 #4
98	200.00	71.64 171.75	137.00 137.00	167.00 167.00	152.00 152.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.61E-04 2.37E-04	bp2001 #5 bp2001 #6
99 100	200.00	20.52	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	2.24E-06	bp2001 #7
101	200.00	71.64	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	6.45E-06	bp2001 #8
102	200.00	171.75 20.52	318.00 1208.00	368.00 1388.00	343.00 1298.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	6.90E-05 1.51E-05	bp200l #9 bp200l #10
103 104	200.00	71.64	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	3.08E-06	bp200l #11
105	200.00	171.75	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	5.07E-06	bp2001 #12
106	200.00	20.52	2429.00	2689.00 2689.00	2559.00 2559.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	3.99E-06 8.92E-06	bp200l #13 bp200l #14
107 108	200.00	71.64 171.75	2429.00 2429.00	2689.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	1.42E-05	bp2001 #15
109	250.00	20.52	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	7.18E-06	bp250h #1
110	250.00	71.64	4830.00	5330.00	5080.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	2.28E-07 2.32E-06	bp250h #2 bp250h #3
111 112	250.00 250.00	171.75 20.52	4830.00 7259.00	5330.00 8019.00	5080.00 76 3 9.00	100	0.71	1.49	1.00	1.00	1.00	1.18E-05	bp250h #4
113	250.00	71.64	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	4.90E-07	bp250h #5
114	250.00	171.75	7259.00	8019.00	7639.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00	1.00	2.85E-06 3.21E-06	bp250h #6 bp250h #7
115 116	250.00 250.00	20.52 71.64	9688.00 9688.00	10708.00 10708.00	10198.00 10198.00	100	0.71	1.49	1.00	1.00	1.00	6.25E-07	
117	250.00	171.75	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	2.96E-06	bp250h #9
118	250.00	20.52	68.00 68.00	84.00 84.00	76.00 76.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00	1.00	3.36E-04 1.72E-04	
119 120		71.64 171.75	68.00	84.00	76.00	100		1.49	1.00		1.00	3.77E-04	

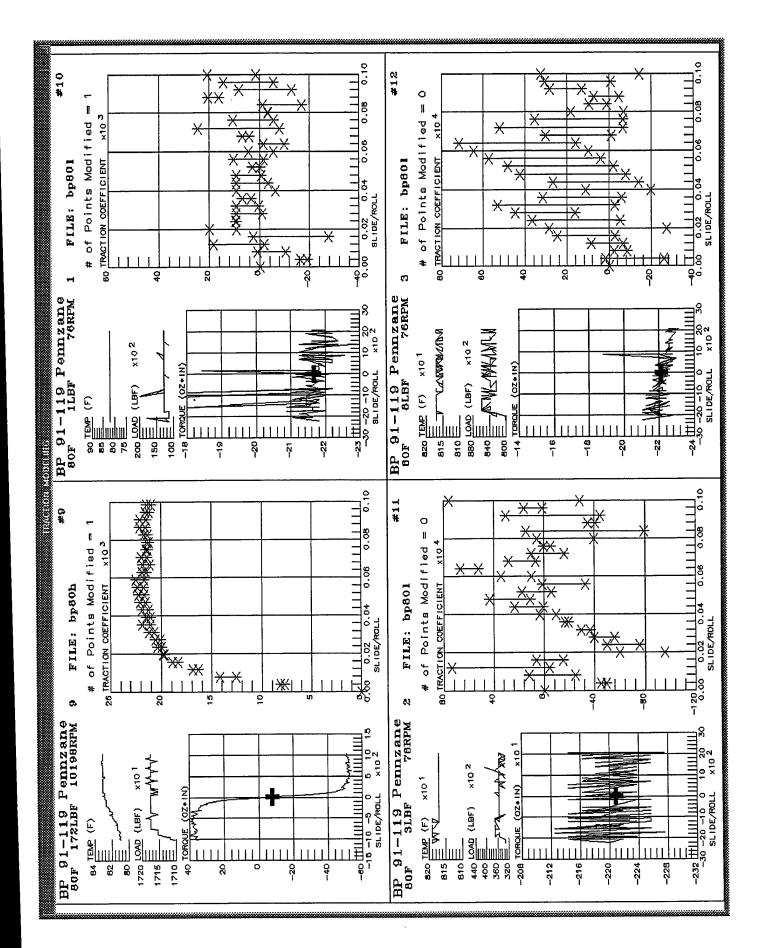
Data set: BP 91-119 Pennzanecontinued

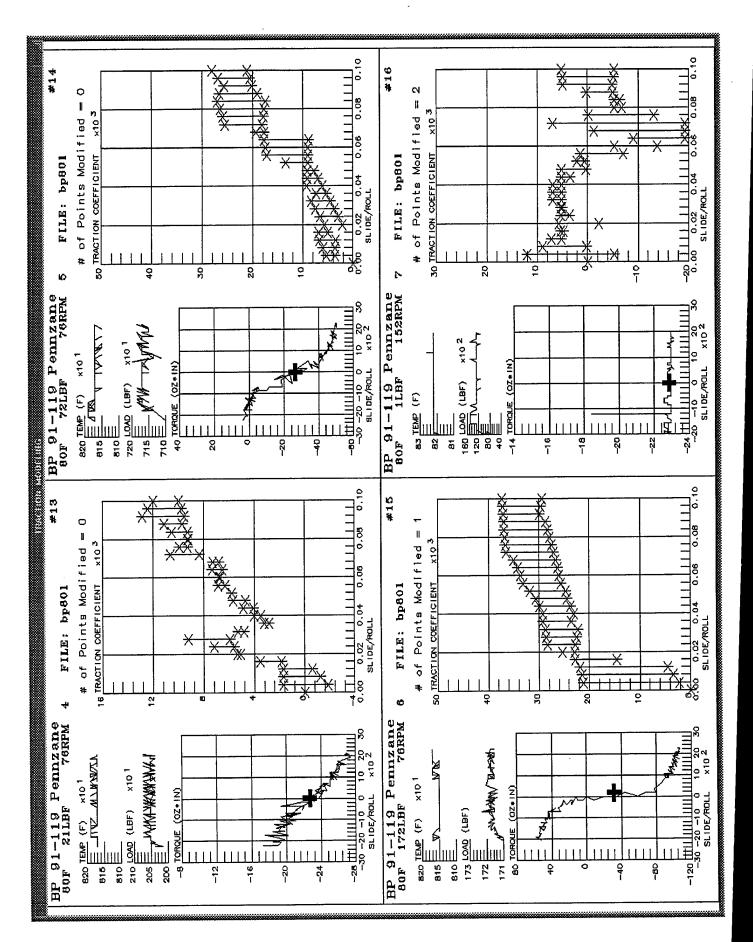
	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts		alibra Load2			Torq	SqDev	Dataset/Test #
121	250.00	20.52	137.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	1.03E-05	bp2501 #4
122	250.00	71.64	137.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	4.47E-05	bp2501 #5
123	250.00	171.75	137.00	167.00	152 .0 0	100	0.71	1.49	1.00	1.00	1.00	9.83E-05	bp250l #6
124	250.00	20.52	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	2.72E-06	bp250l #7
125	250.00	71.64	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	5.08E-06	bp250l #8
126	250.00	171.75	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	2.36E-05	bp250l #9
127	250.00	20.52	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	1.33E-05	bp250l #10
128	250.00	71.64	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	1.63E-06	bp250l #11
129	250.00	171.75	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	9.71E-07	bp250l #12
130	250.00	20.52	2429.00	2689.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	2.99E-06	bp250l #13
131	250.00	71.64	2429.00	2689.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	5.16E-07	bp250l #14
132	250.00	171.75	2429.00	2689.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	1.24E-06	bp250l #15
133	300.00	20.52	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	9.61E-06	bp300h #1
134	300.00	71.64	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	1.71E-07	bp300h #2
135	300.00	171.75	4830.00	5330.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	1.44E-07	bp300h #3
136	300.00	20.52	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	4.21E-06	bp300h #4
137	300.00	71.64	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	4.28E-07	bp300h #5
138	300.00	171 <i>.7</i> 5	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	8.75E-07	bp300h #6
139	300.00	20.52	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	5.76E-06	bp300h #7
140	300.00	71.64	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	4.83E-07	bp300h #8
141	300.00	171.75	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	4.81E-07	bp300h #9
142	300.00	20.52	68.00	84.00	76.00	100	0.71	1.49	1.00	1.00	1.00	2.34E-04	bp300l #1
143	300.00	71.64	68.00	84.00	76.00	100	0.71	1.49	1.00	1.00	1.00	2.52E-04	bp300l #2
144	300.00	171.75	68.00	84.00	76.00	100	0.71	1.49	1.00	1.00	1.00	8.94E-04	bp3001 #3
145	300.00	20.52	137.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	2.07E-05	bp3001 #4
146	300.00	71.64	137.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	2.43E-05	bp300l #5
147	300.00	171.75	137.00	167.00	152.00	100	0.71	1.49	1.00	1.00	1.00	1.63E-05	bp300l #6
148	300.00	20.52	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	1.19E-05	bp300l #7
149	300.00	71.64	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	4.24E-06	bp300l #8
150	300.00	171.75	318.00	368.00	343.00	100	0.71	1.49	1.00	1.00	1.00	7.62E-06	bp3001 #9
151	300.00	20.52	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	2.08E-06	bp300l #10
152	300.00	71.64	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	6.93E-07	bp300l #11
153	300.00	171. <i>7</i> 5	1208.00	1388.00	1298.00	100	0.71	1.49	1.00	1.00	1.00	6.93E-07	bp300l #12
154	300.00	20.52	2429.00	2689.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	4.15E-06	bp300l #13
155	300.00	71.64	2429.00	2689.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	9.21E-08	bp300l #14
156	300.00	171.75	2429.00	2689.00	2559.00	100	0.71	1.49	1.00	1.00	1.00	3.39E-07	bp300l #15

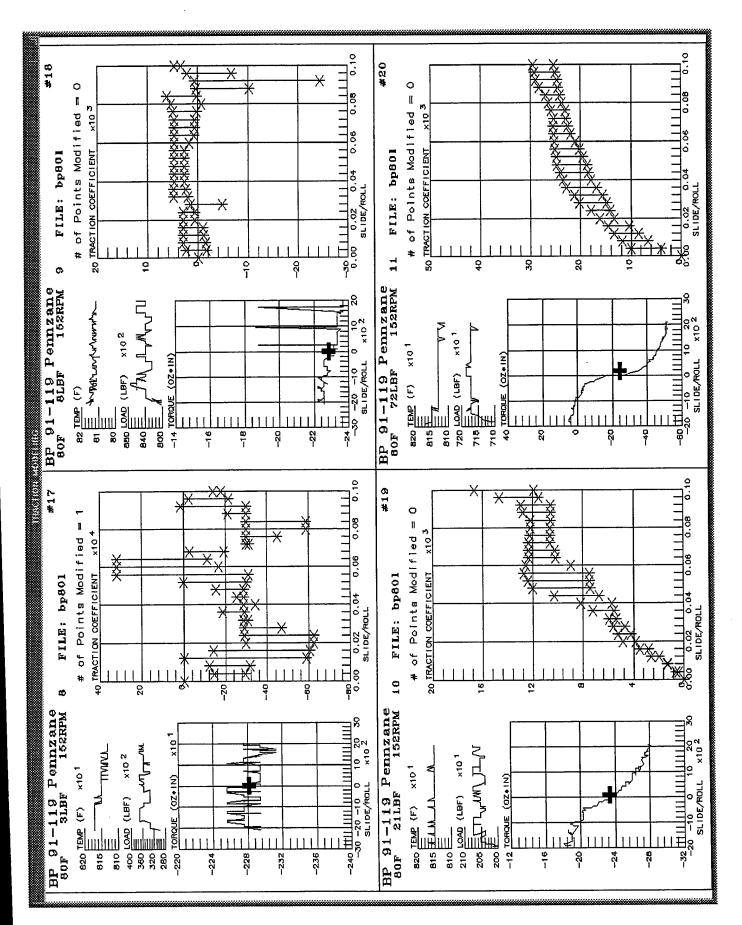
Filename	Temp	RollRpm 1298.00	DataCurve # 32 33
bp1.dat	80.00 80.00	2559.00	35 36
bp2.dat		5080.00	2 3
bp3.dat	80.00	7639.00	5 6
bp4.dat	80.00	10198.00	8 9
bp5.dat	80.00		56 57
bp6.dat	100.00	1298.00	59 60
bp7.dat	100.00	2559.00	38 39
bp8.dat	100.00	5080.00	
bp9.dat	100.00	7639.00	
bp10.dat	100.00	10198.00	44 45 80 81
bp11.dat	150.00	1298.00	
bp12.dat	150.00	2559.00	83 84
bp13.dat	150.00	5080.00	62 63
bp14.dat	150.00	7639.00	65 66
bp15.dat	150.00	10198.00	68 69
bp16.dat	200.00	1298.00	104 105
bp17.dat	200.00	2559.00	107 108
bp18.dat	200.00	5080.00	86 87
bp19.dat	200.00	7639.00	89 90
bp20.dat	200.00	10198.00	92 9 3
bp21.dat	250.00	1298.00	128 129
bp22.dat	250.00	2559.00	131 132
bp23.dat	250.00	5080.00	110 111
bp24 dat	250.00	7639.00	113 114
bp25.dat	250.00	10198.00	116 117
bp26.dat	300.00	1298.00	152 153
bp27.dat	300.00	2559.00	155 156
bp28.dat	300.00	5080.00	134 135
bp29.dat	300.00	7639.00	137 138
bp30.dat	300.00	10198.00	140 141

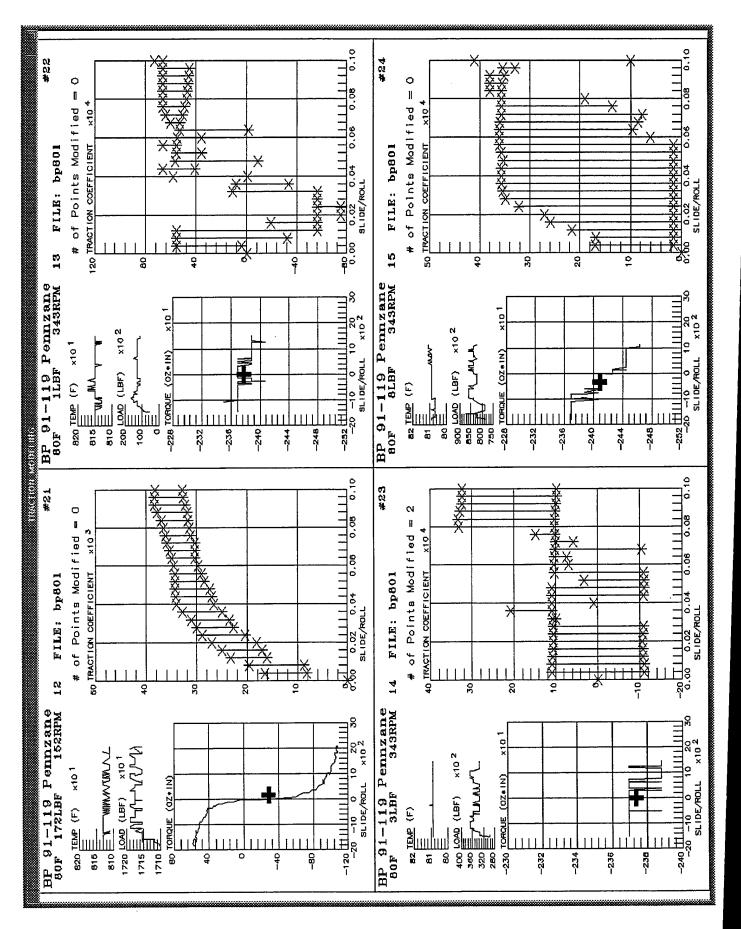


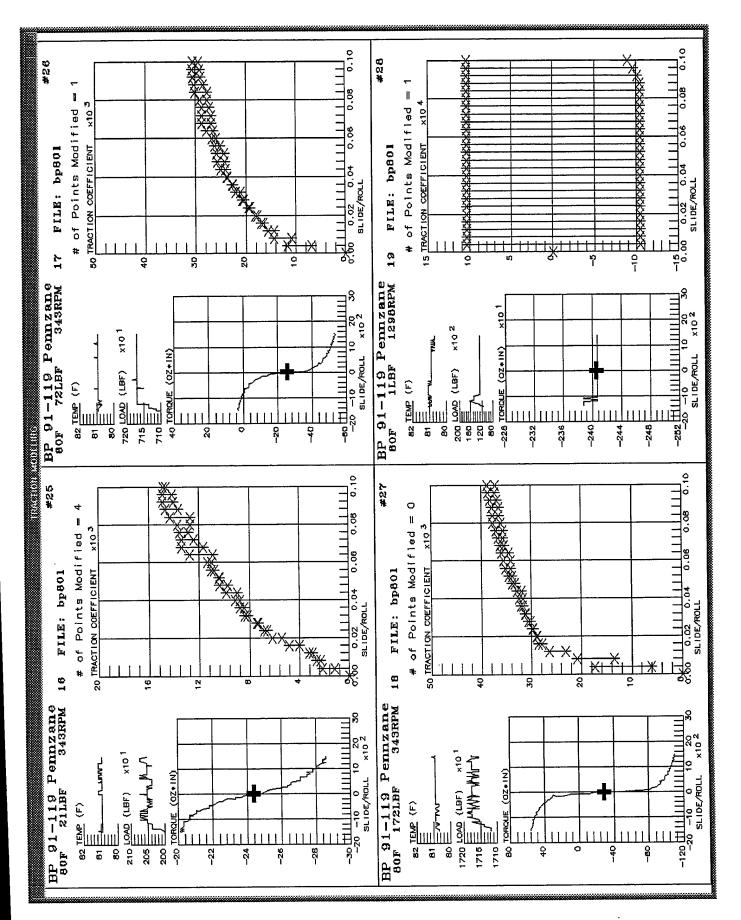


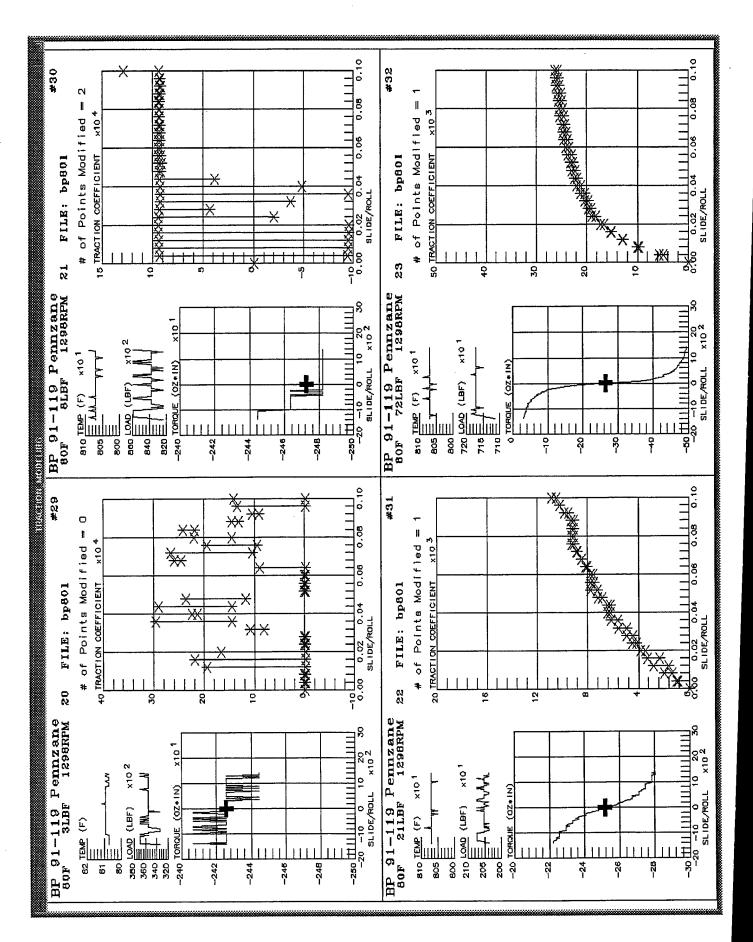


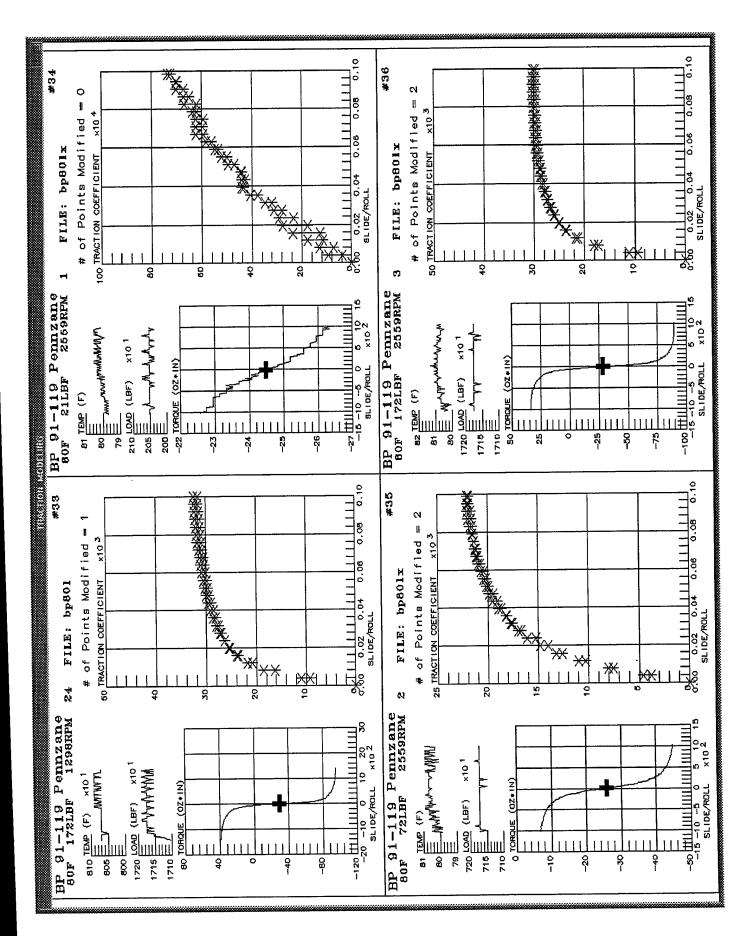


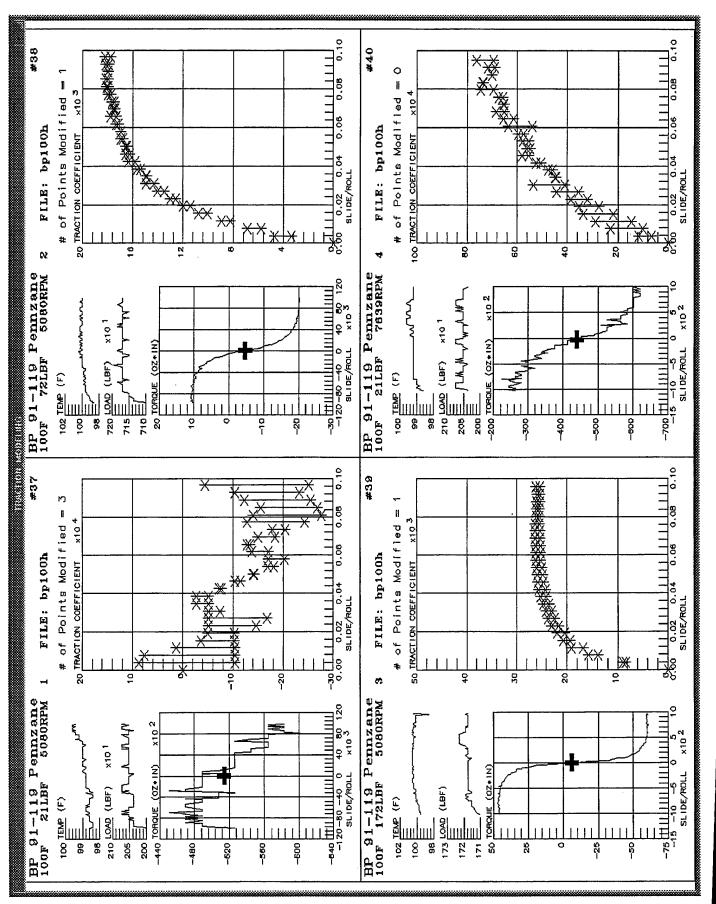


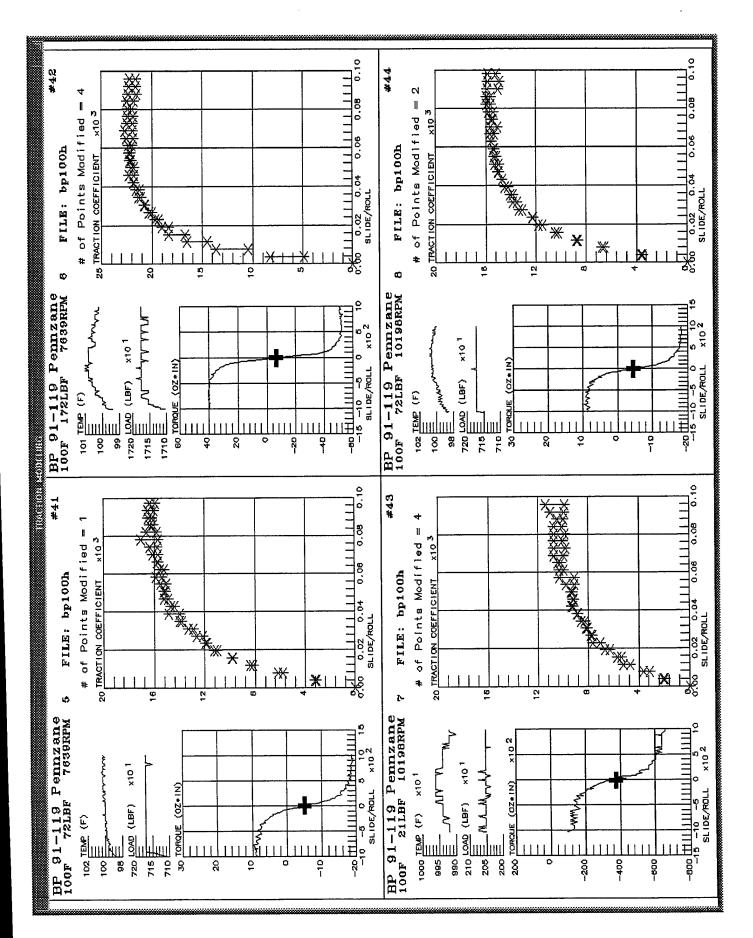


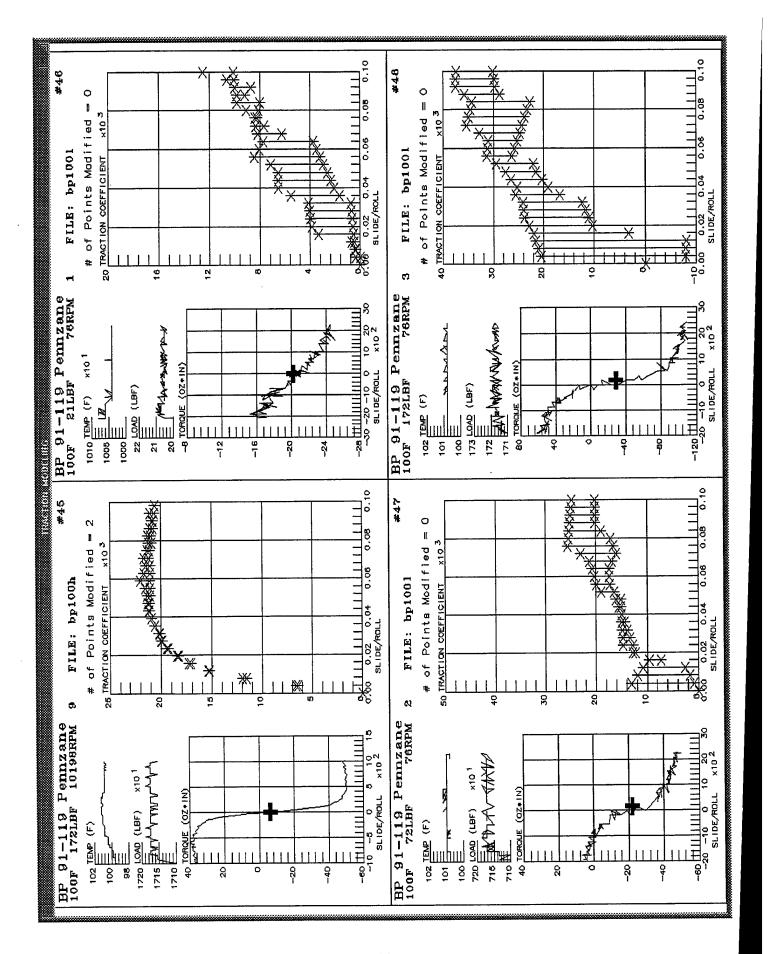


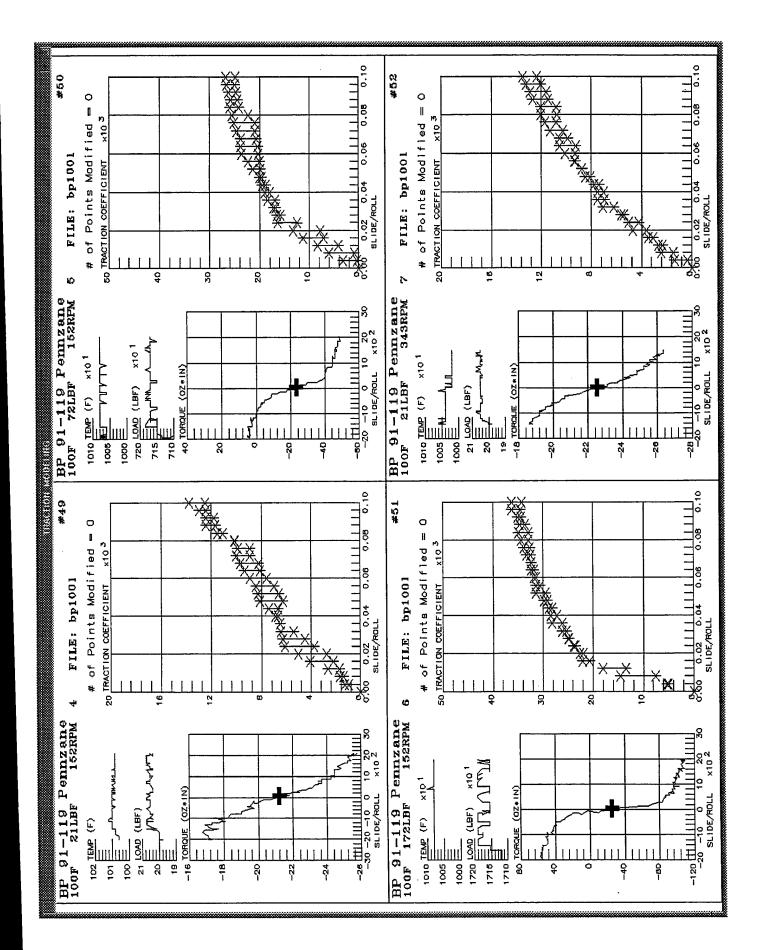


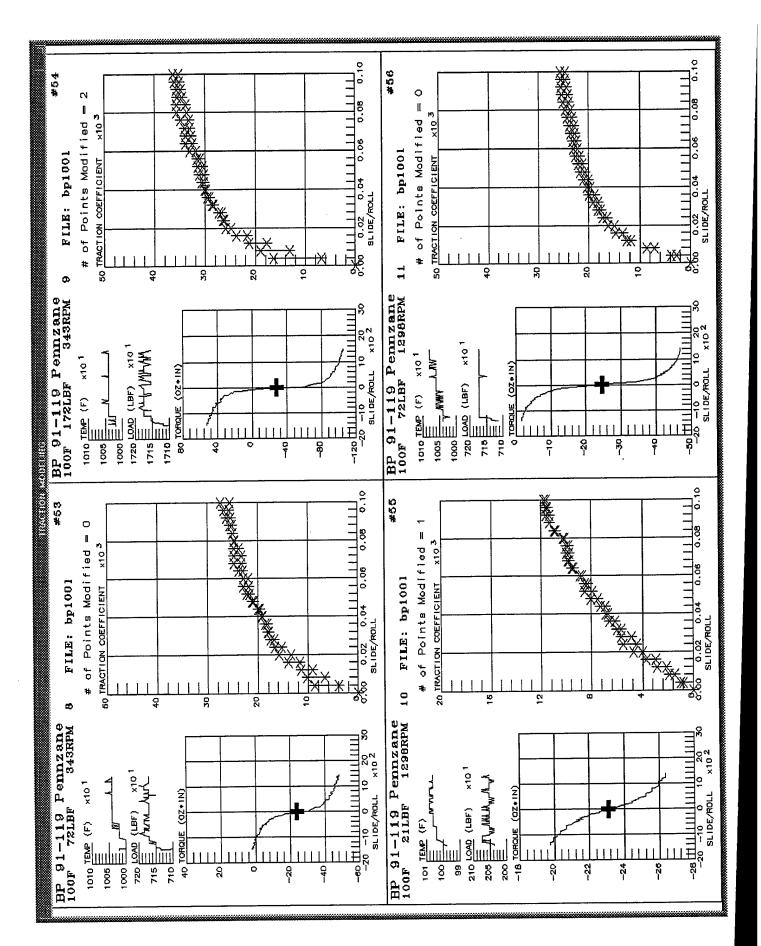


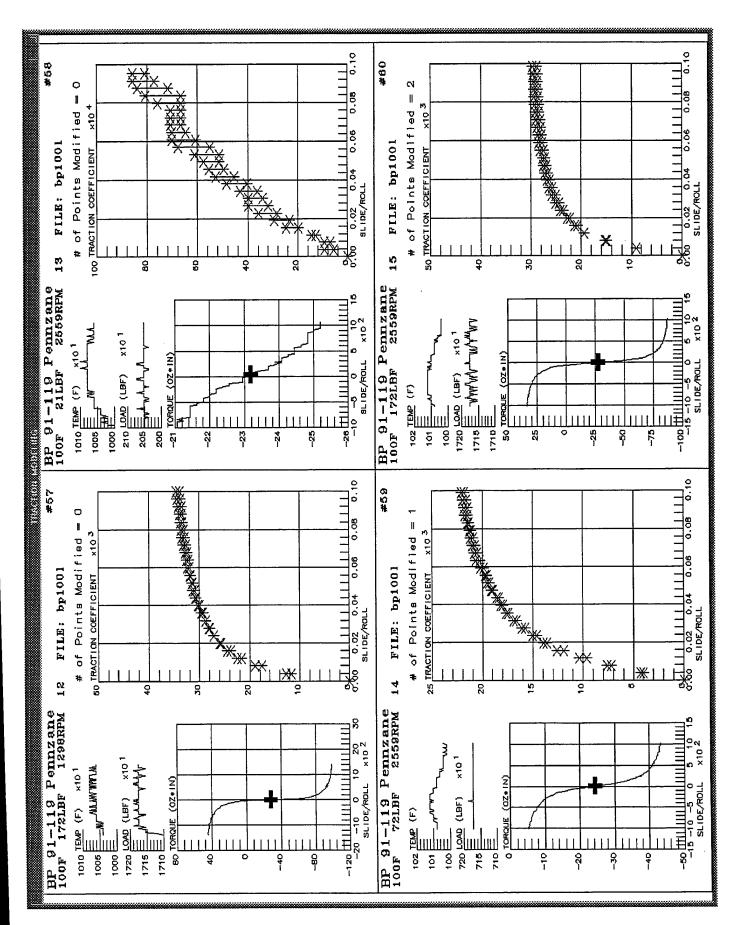


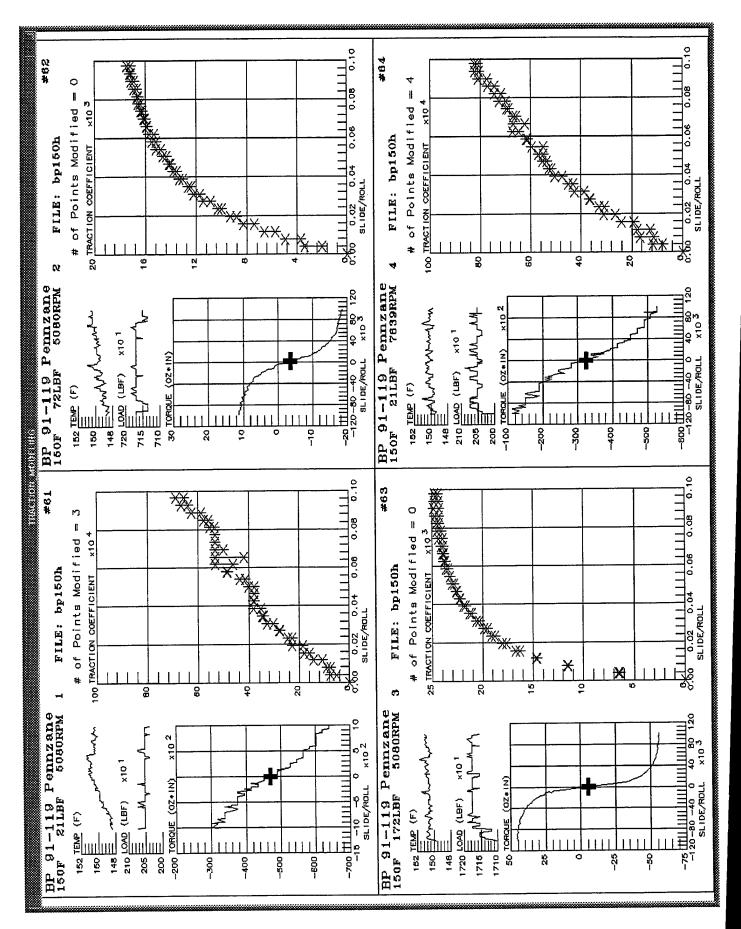


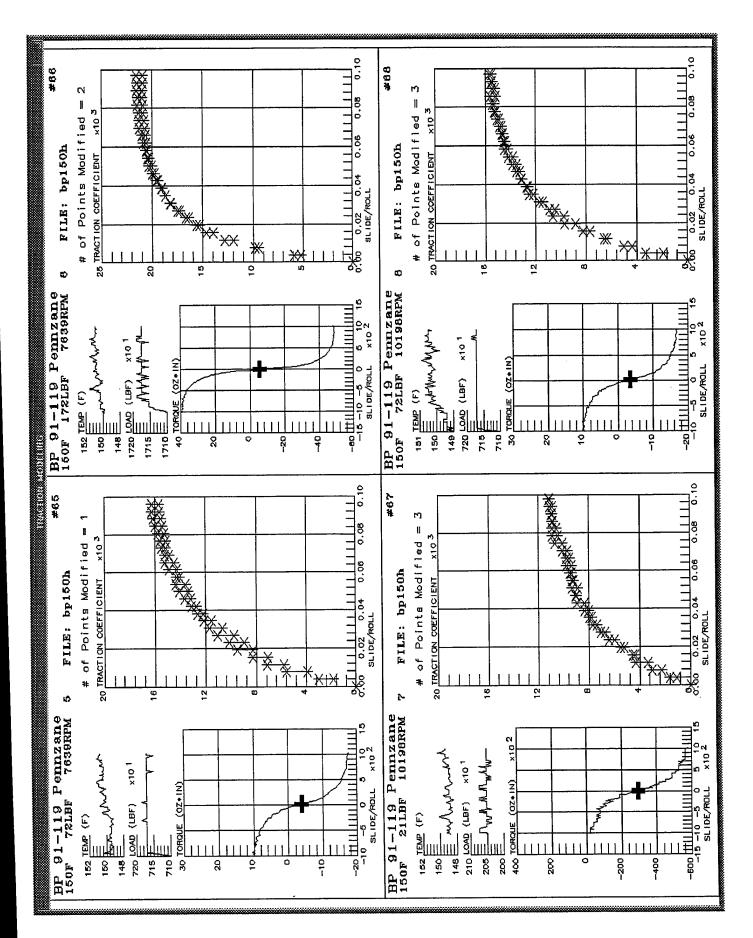


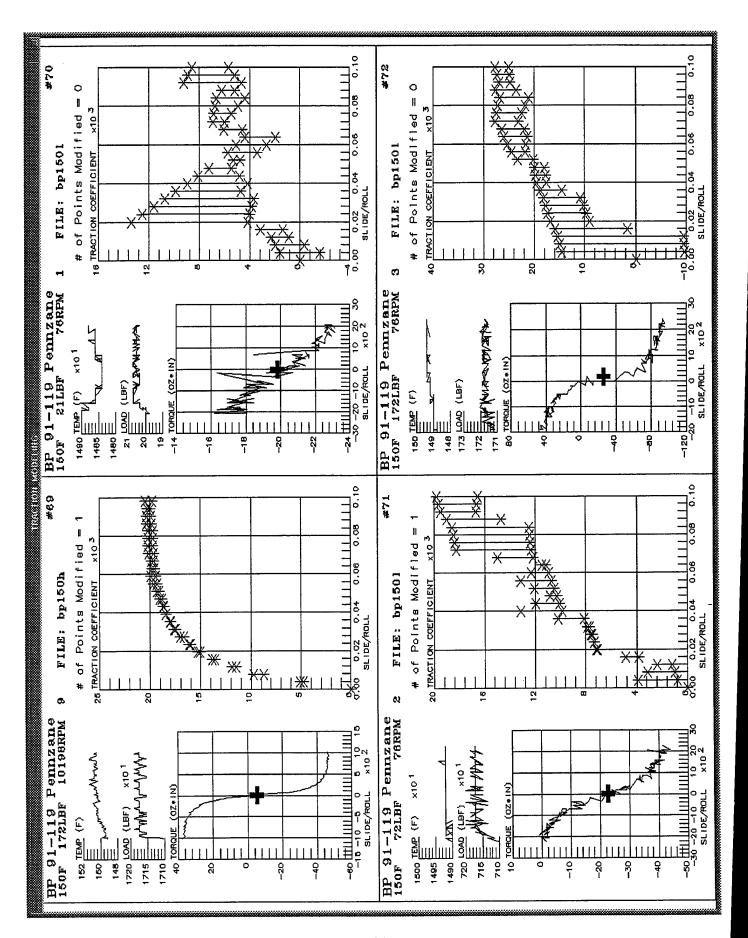


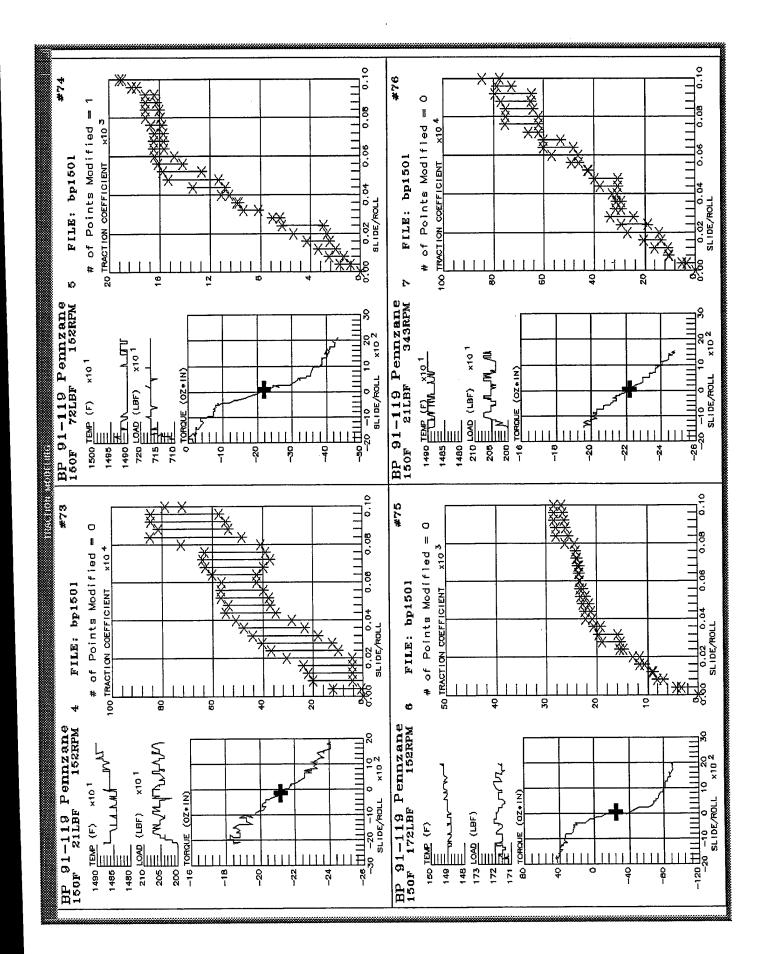


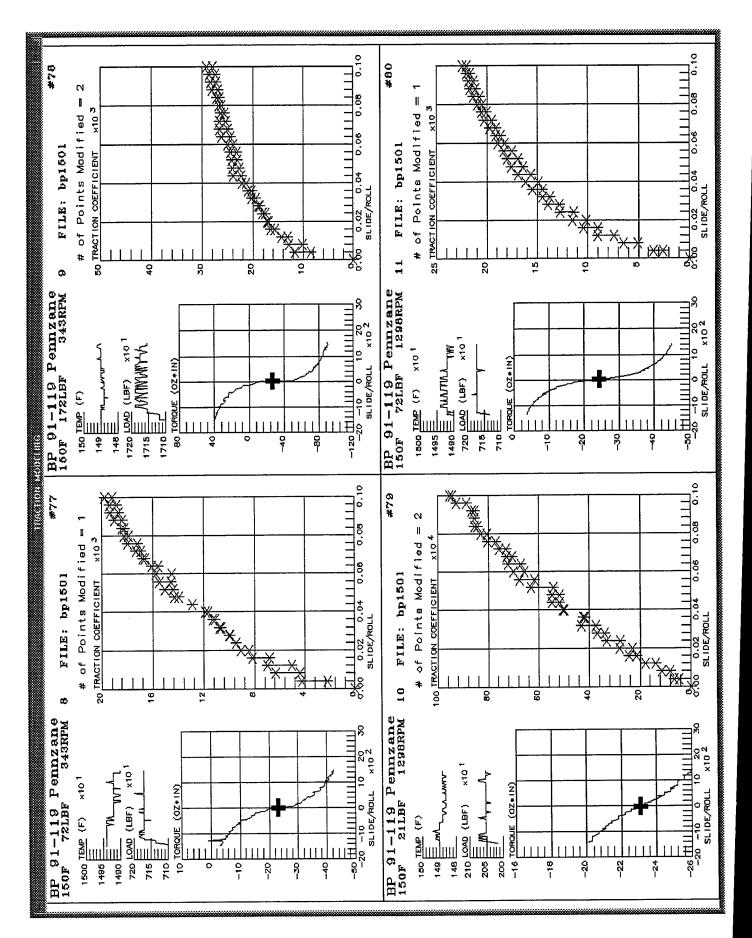


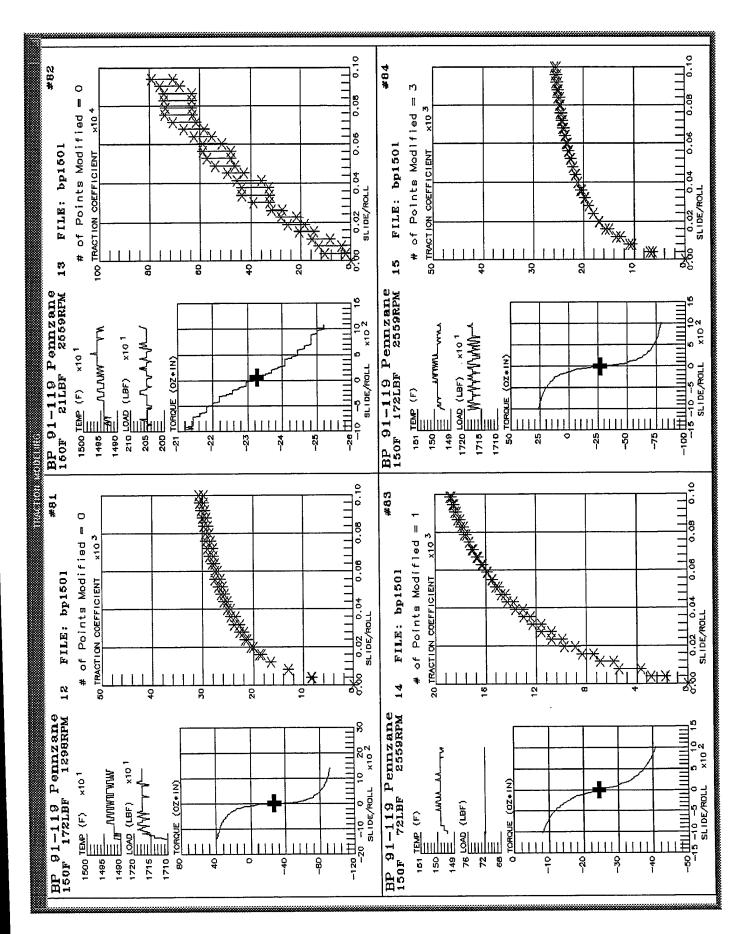


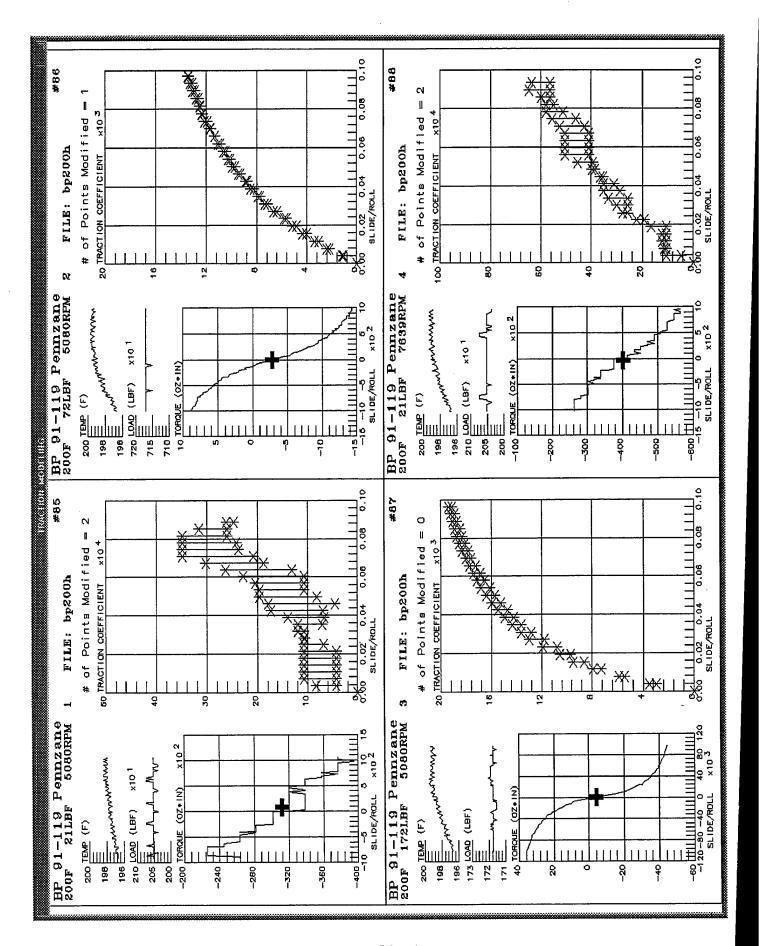


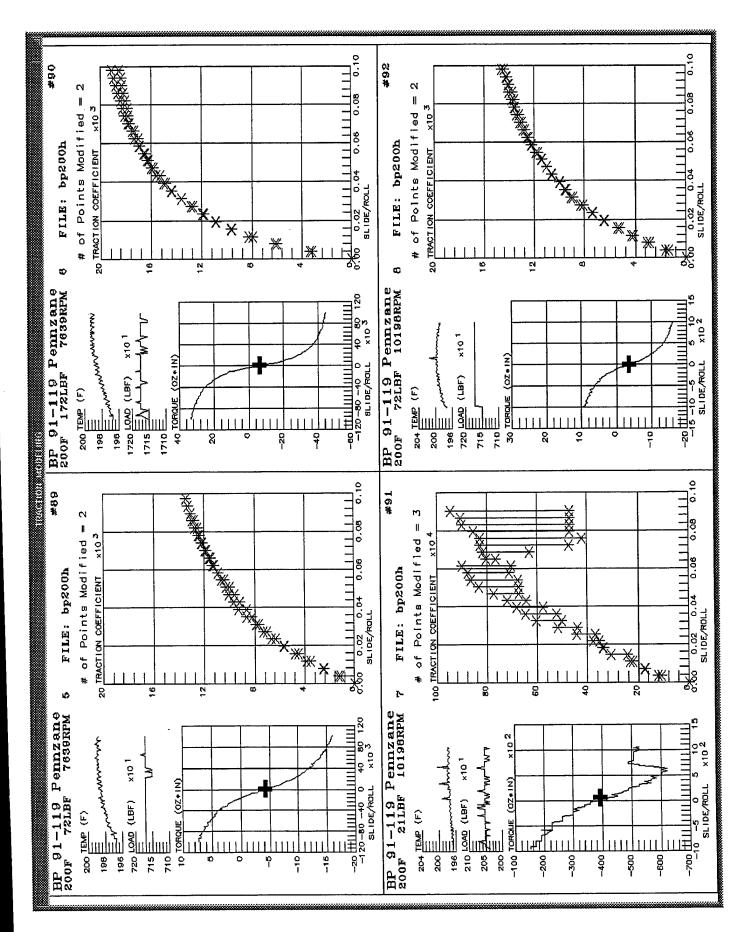


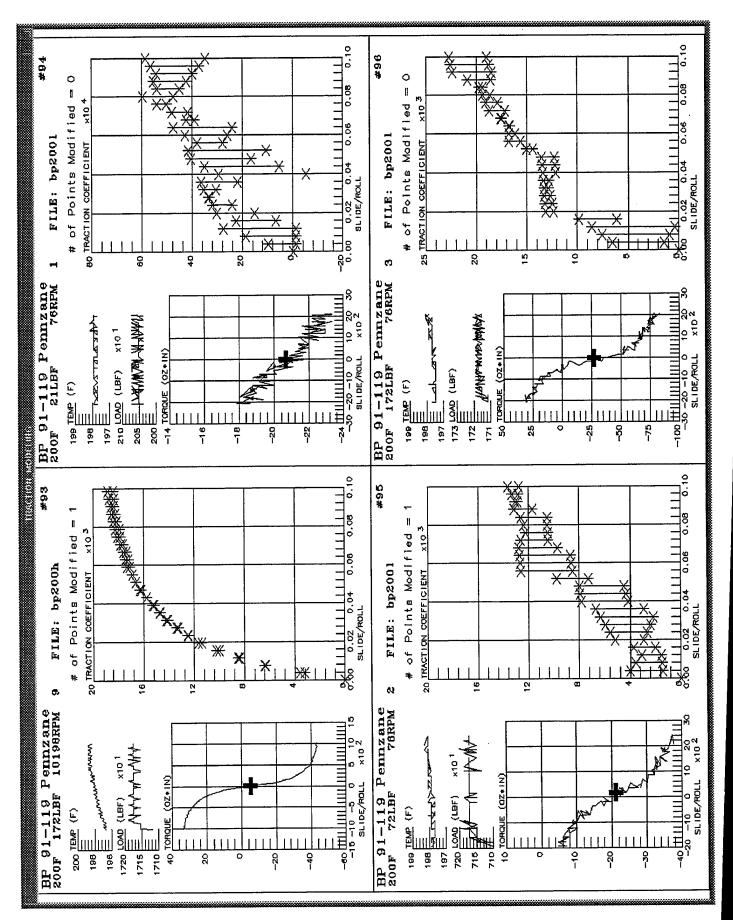


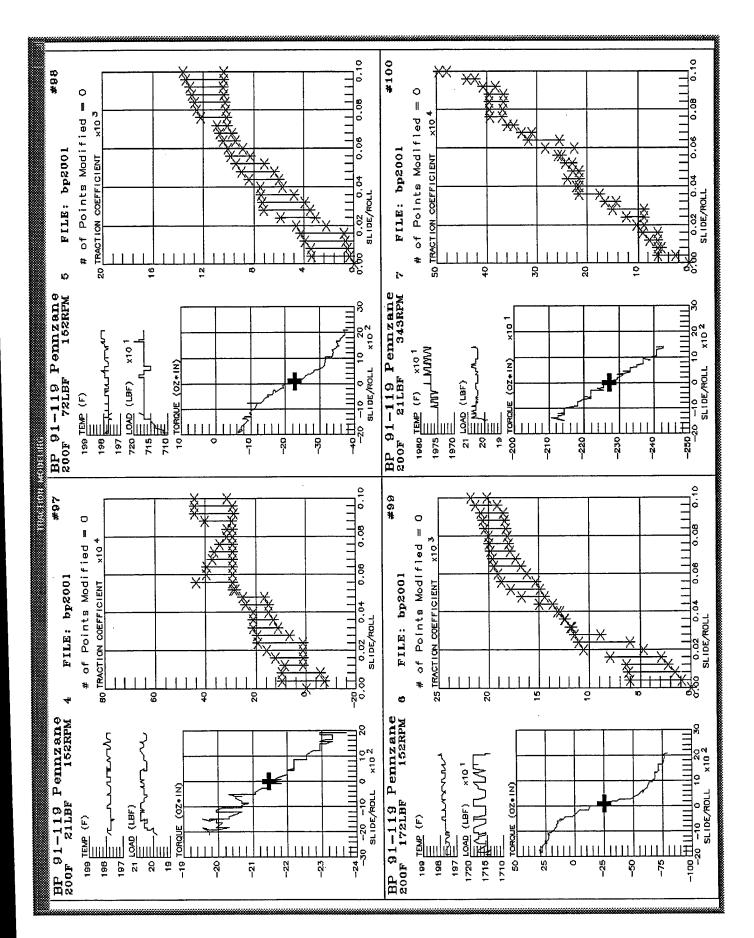


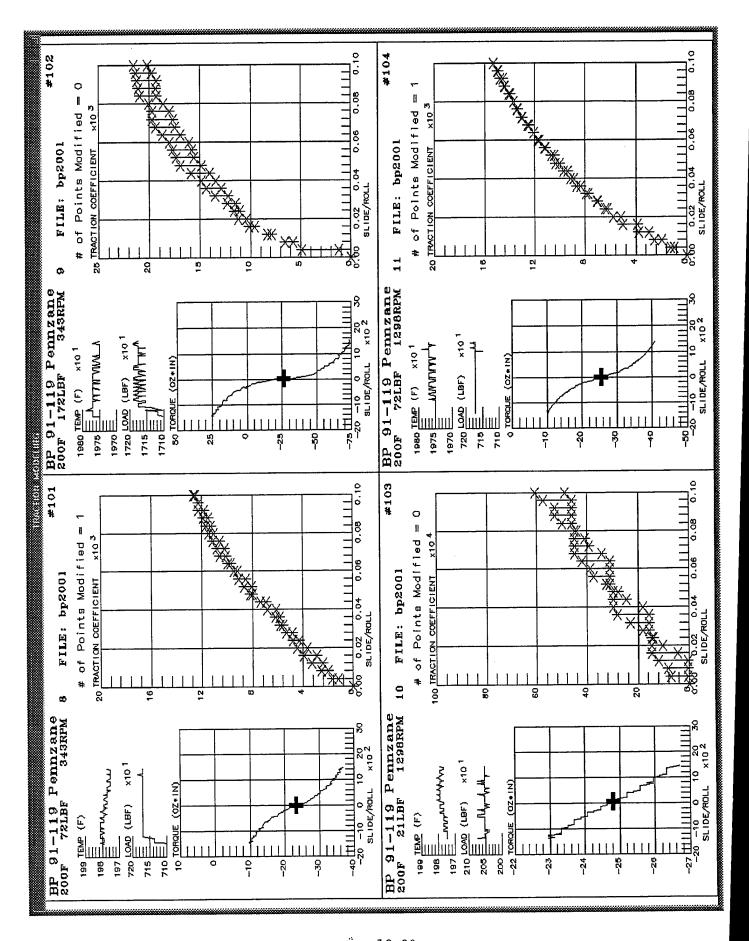


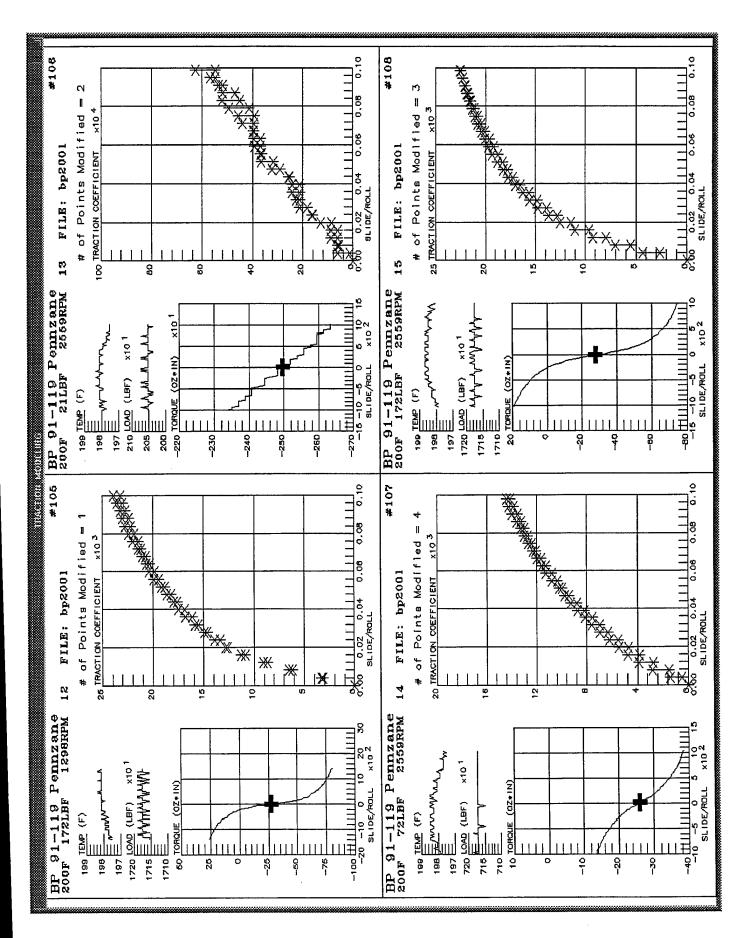


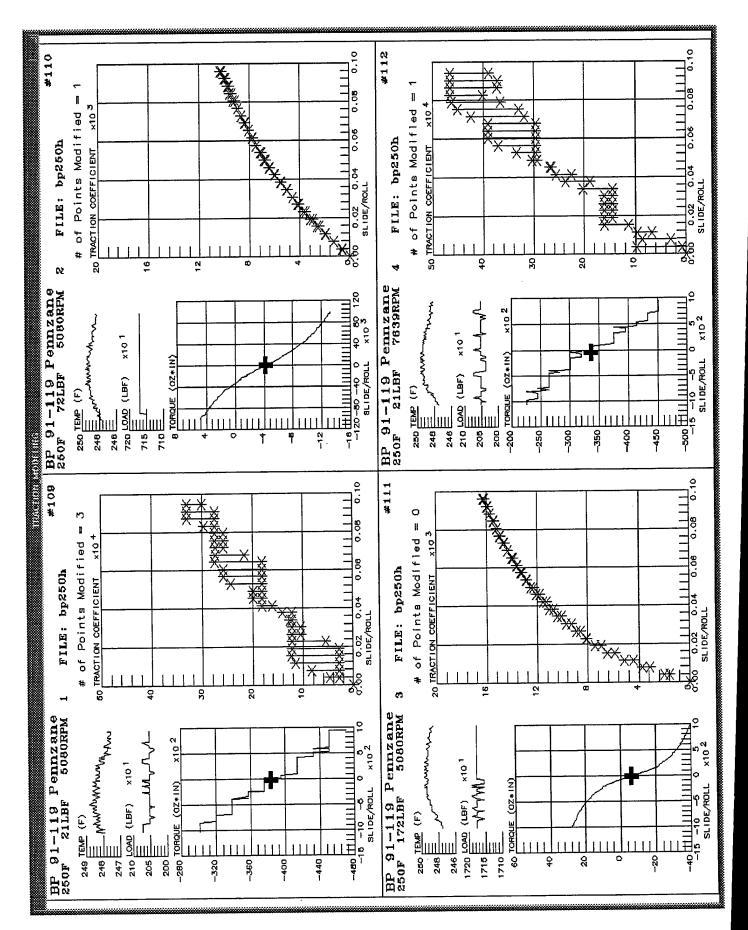


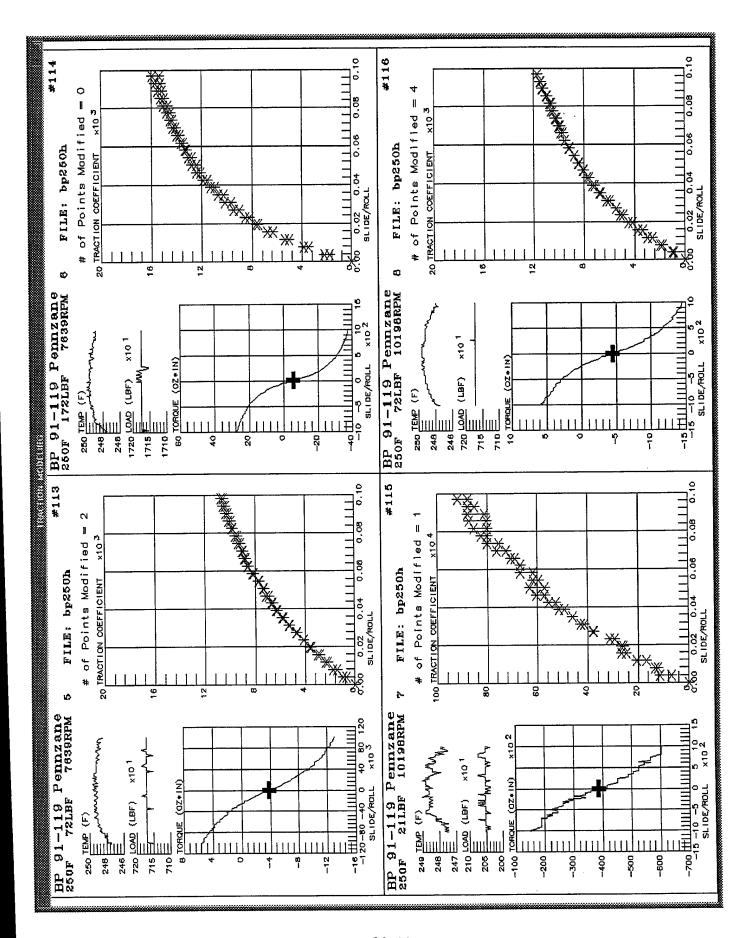


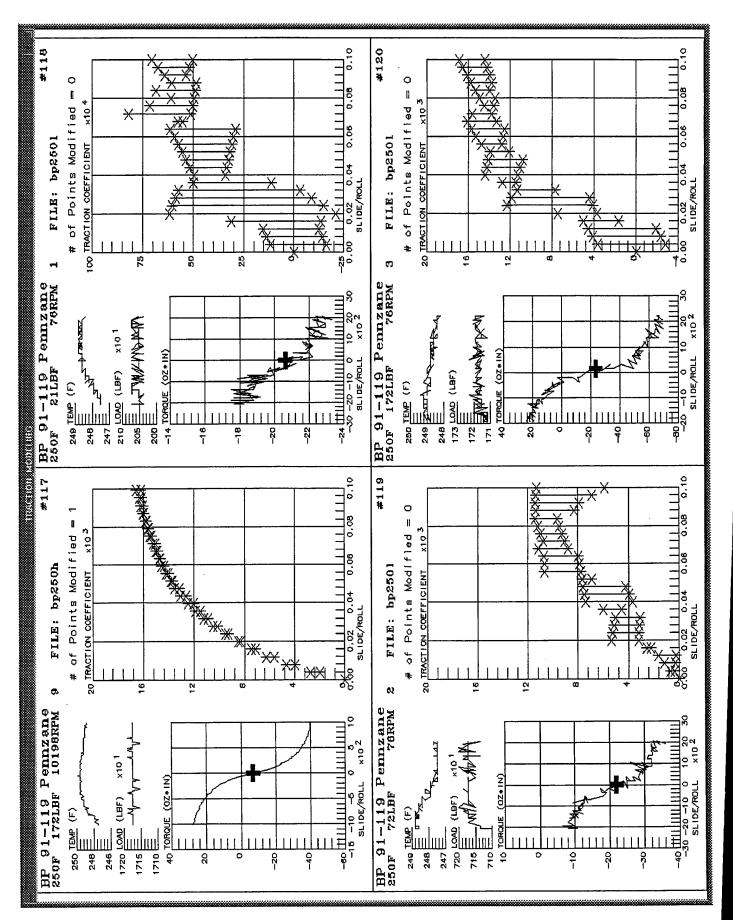


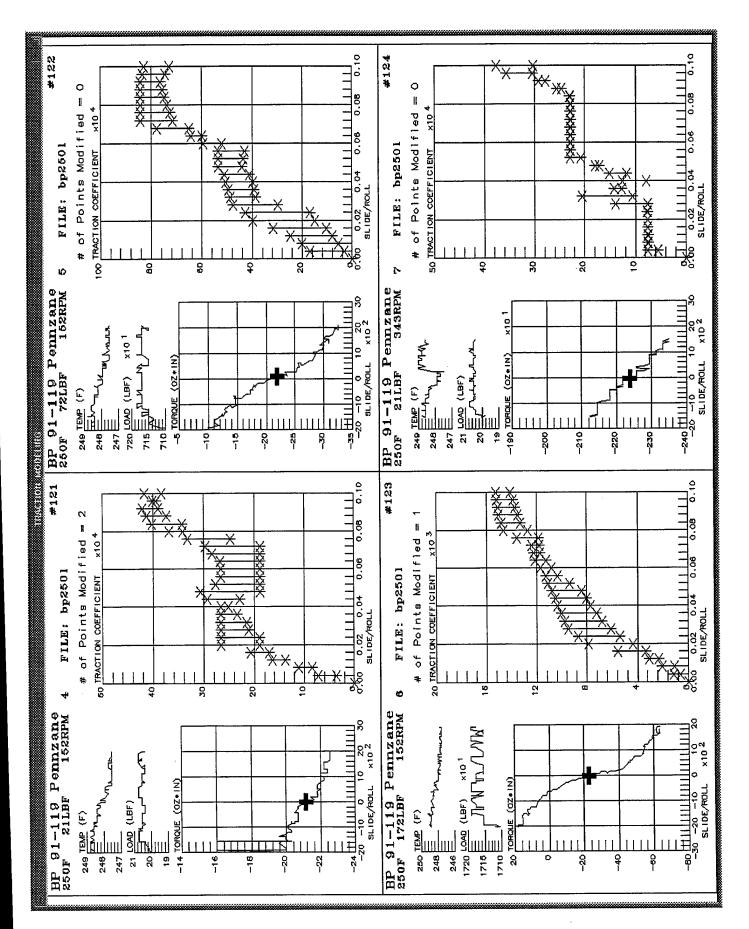


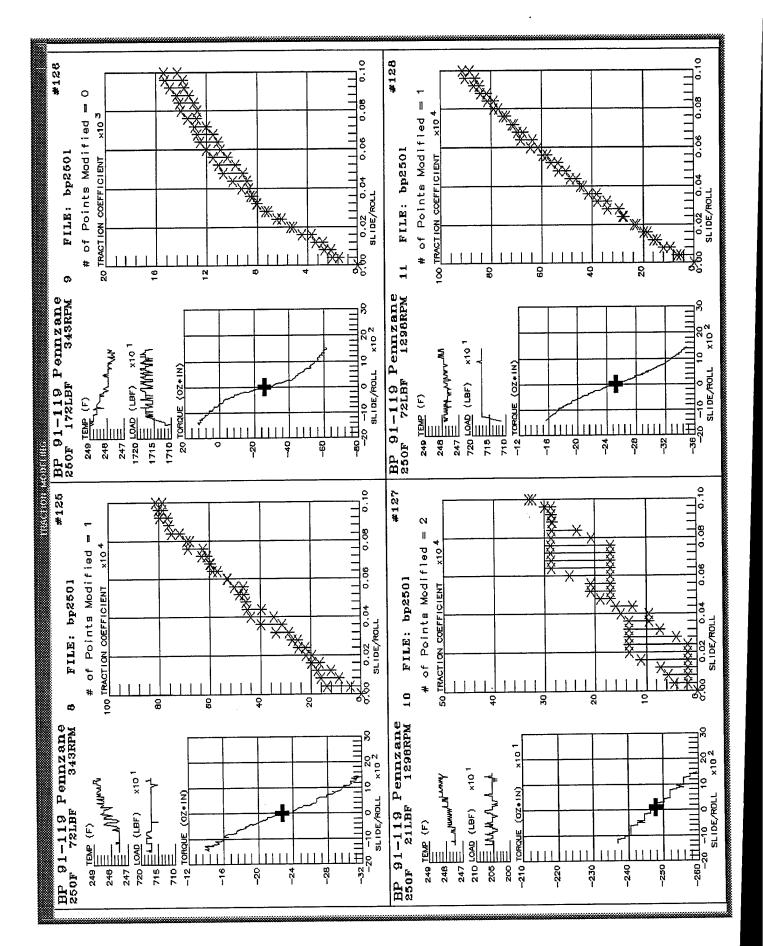


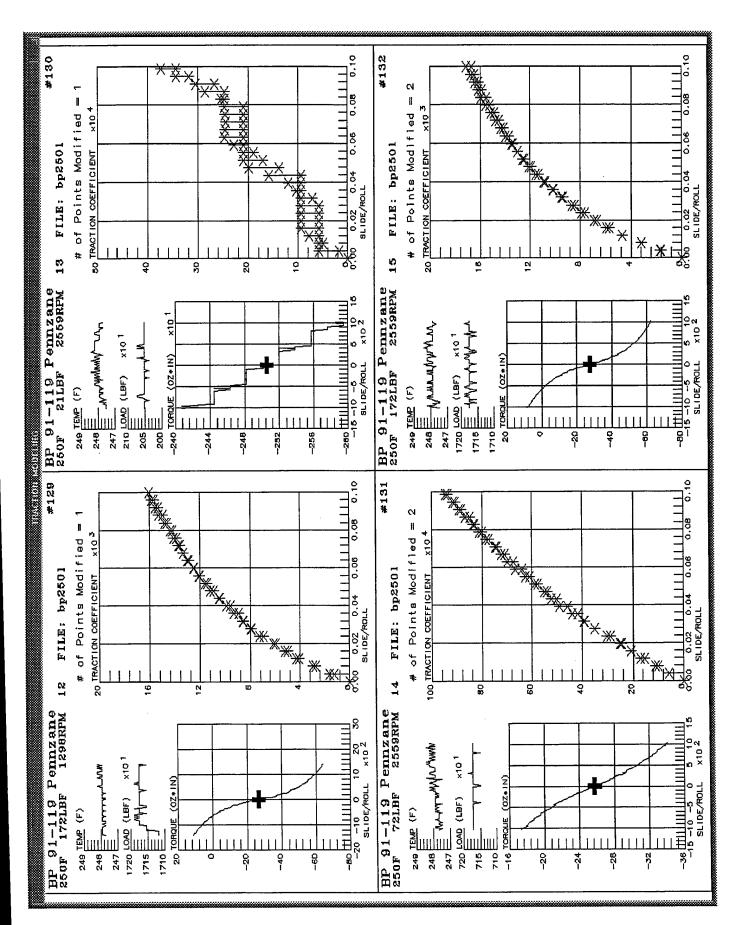


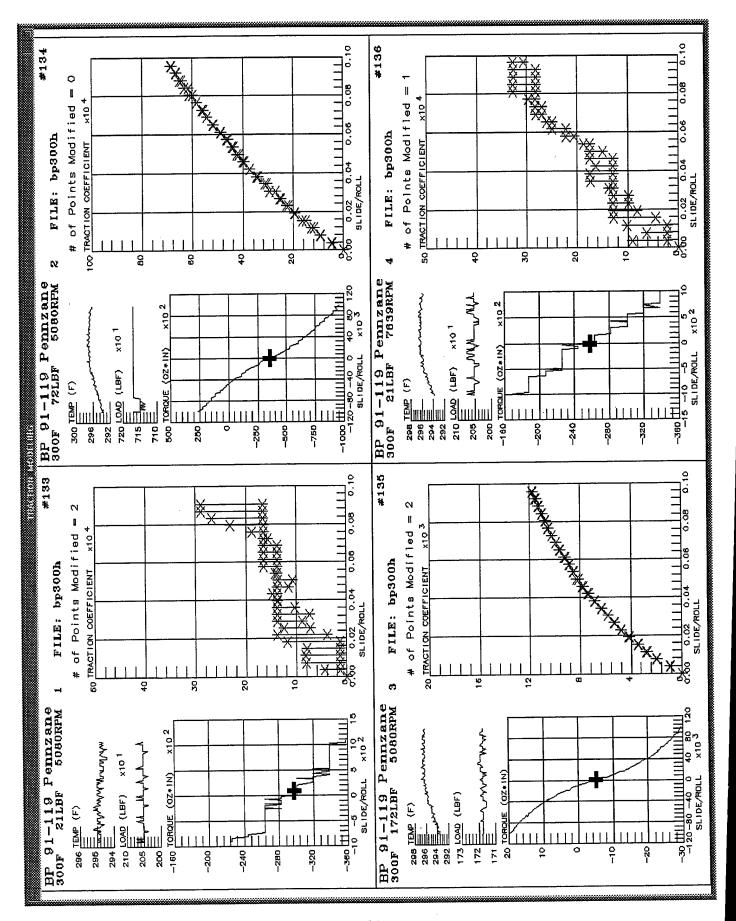


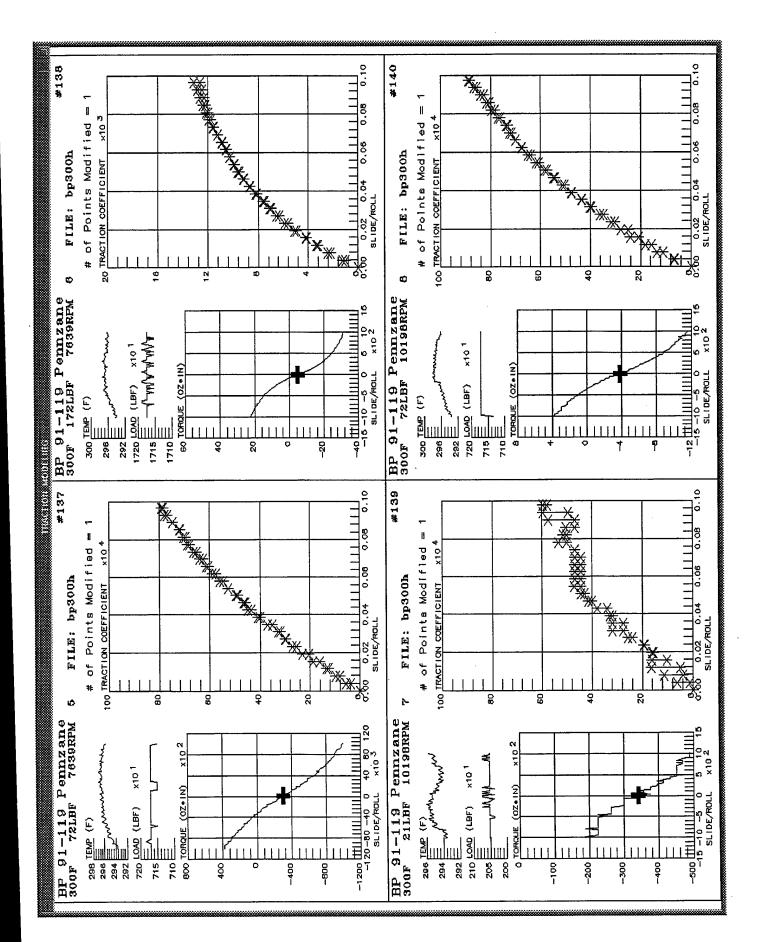


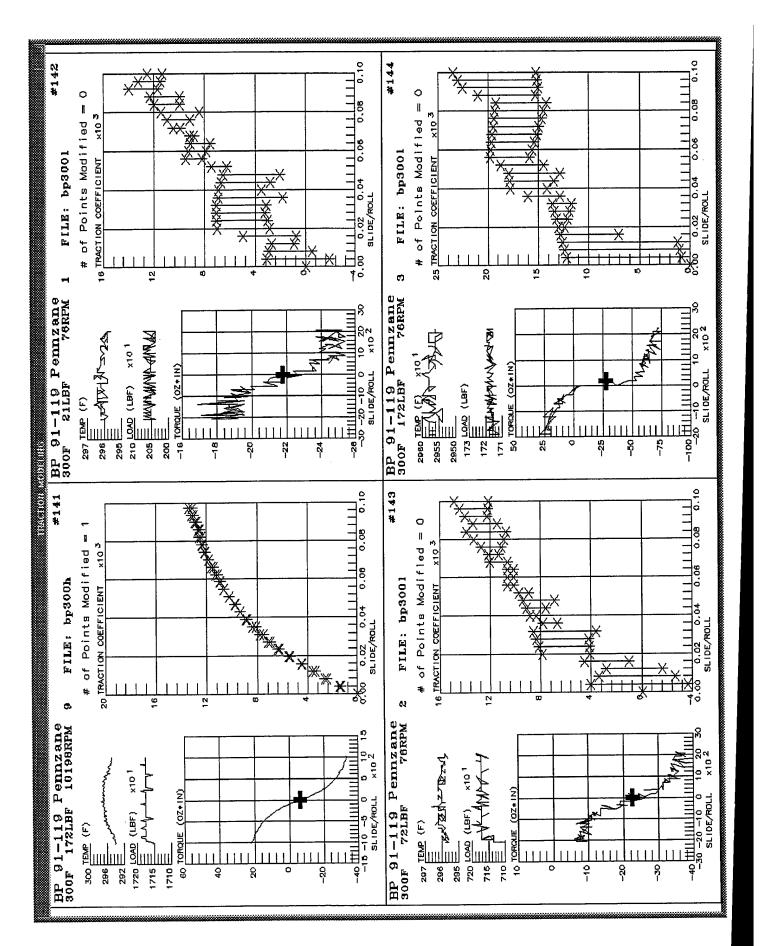


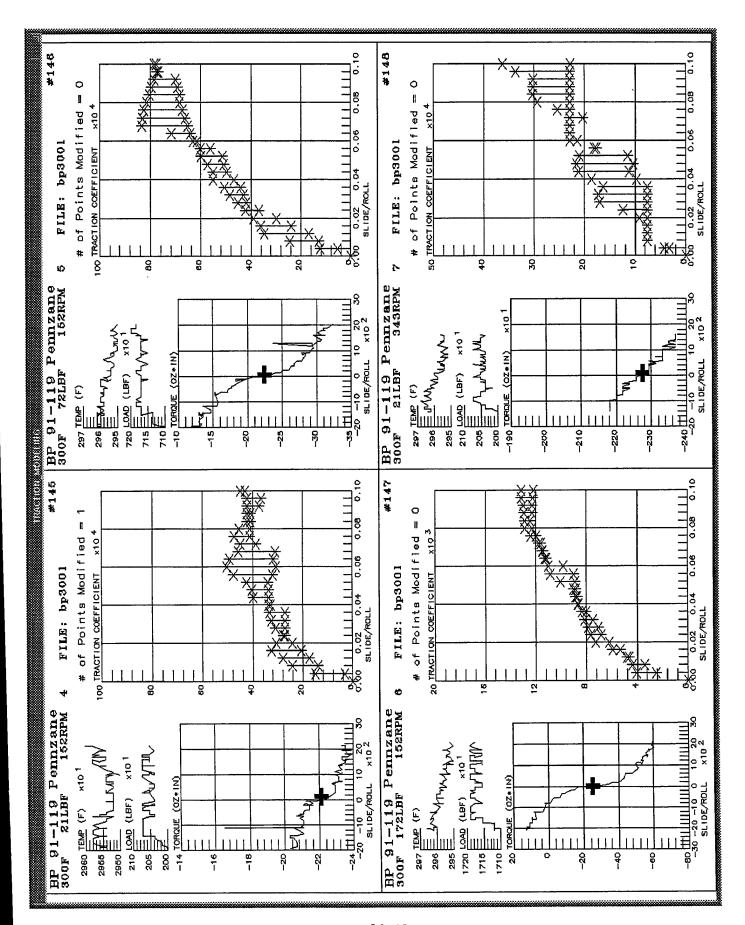


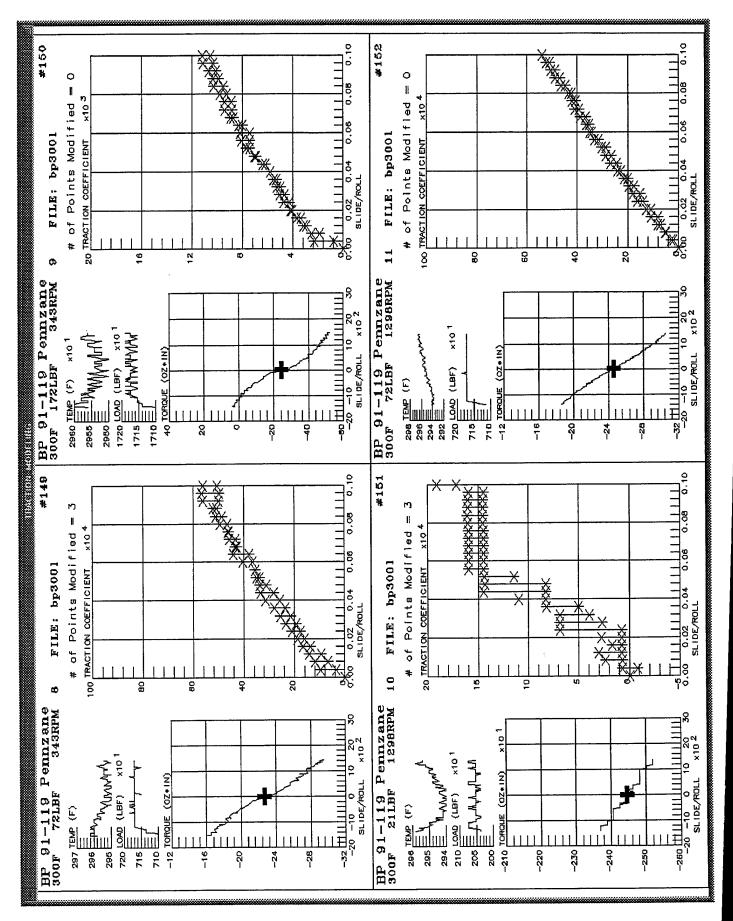


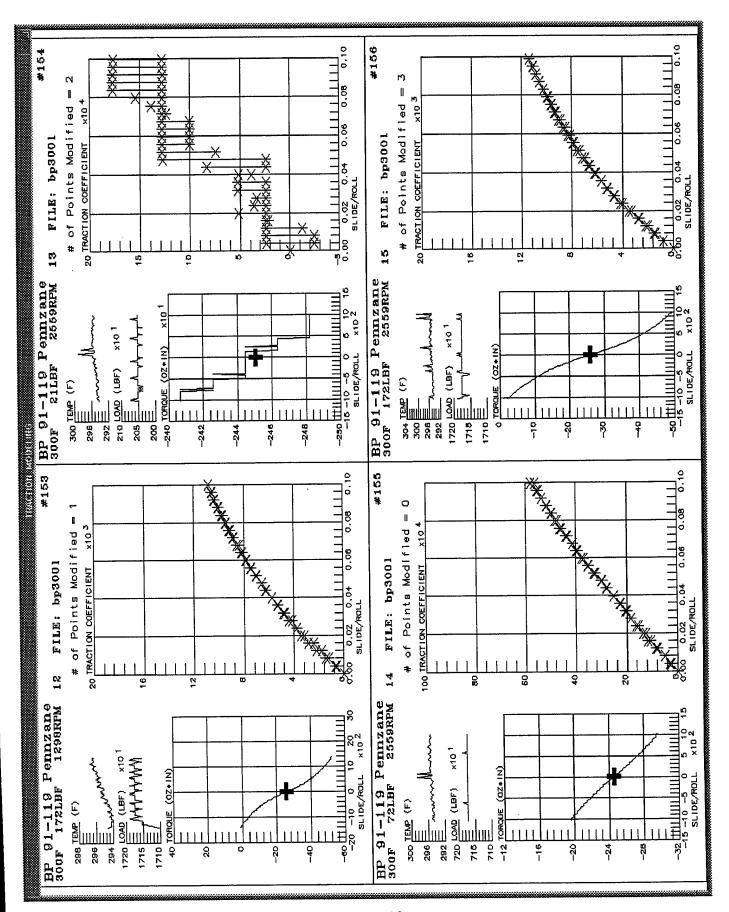












14. Traction Data Set M: 89-180 VistaLube 7

Data set name: CC 89-180 Vistalube 7 Rolling radii [Disks 1 & 2] (in): 0.75 0.75 Crown radii [Disks 1 & 2] (in): 1.00 1.10

Number of data sets found = 335

	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	C Load1	alibra Load2	tion F Rpm1	actors Rpm2	Torq	SqDev	Dataset/Test #
		0.44	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	8.68E-03	vist-01 #1
1	80.00	0.46	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	3.60E-04	vist-01 #2
2	80.00	1.57		5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	3.18E-04	vist-01 #3
3	80.00	3.72	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	1.76E-04	vist-01 #4
4	80.00	12.55	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	4.59E-05	vist-01 #5
5	80.00	29.76	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	7.44E-05	vist-01 #6
6	80.00	58.13	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	4.14E-05	vist-01 #7
7	80.00	100.47	4826.00 7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	9.56E-03	vist-01 #8
8	80.00	0.46		8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	1.97E-03	vist-01 #9
9	80.00	1.57	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	1.90E-04	vist-01 #10
10	80.00	3.72	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	1.50E-04	vist-01 #11
11	80.00	12.55	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	7.21E-05	vist-01 #12
12	80.00	29.76	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	6.25E-05	vist-01 #13
13	80.00	58.13	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	9.36E-05	vist-01 #14
14	80.00	100.47	7259.00		10198.00	100	0.71	1.49	1.00	1.00	1.00	8.49E-03	vist-01 #15
15	80.00	0.46	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.53E-03	vist-01 #16
16	80.00	1.57	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.73E-04	vist-01 #17
17	80.00	3.72	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.84E-04	vist-01 #18
18	80.00	12.55	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	8.81E-05	vist-01 #19
19	80.00	29.76	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	7.05E-05	vist-01 #20
20	80.00	58.13	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	4.56E-05	vist-01 #21
21	80.00	100.47	9688.00	10708.00 5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	2.10E-03	vist-02 #1
22	100.00	1.57	4826.00 4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	2.44E-04	vist-02 #2
23	100.00	3.72 12.55	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	5.67E-05	vist-02 #3
24	100.00	29.76	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	7.06E-05	vist-02 #4
25	100.00 100.00	58.13	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	9.21E-05	vist-02 #5
26 27	100.00	100.47	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	7.54E-05	vist-02 #6
28	100.00	1.57	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	2.90E-04	vist-02 #7 vist-02 #8
29	100.00	3.72	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	2.50E-04	vist-02 #9
30	100.00	12.55	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	1.10E-04 3.09E-05	vist-02 #10
31	100.00	29.76	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	7.99E-05	vist-02 #10
32	100.00	58.13	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	6.19E-05	vist-02 #12
33	100.00	100.47	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00 1.00	3.12E-04	vist-02 #13
34	100.00	1.57	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.47E-04	vist-02 #14
35	100.00	3.72	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	9.10E-05	vist-02 #15
36	100.00	12.55	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	2.30E-05	vist-02 #16
37	100.00	29.76	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.51E-04	vist-02 #17
38	100.00	58.13	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.00E-04	vist-02 #18
39	100.00	100.47	9688.00	10708.00	10198.00	100	0.71	1.49		1.00	1.00	3.41E-04	vist-03 #1
40	150.00	1.57	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	1.24E-04	vist-03 #2
41	150.00	3.72	4826.00	5334.00	5080.00	100	0.71	1.49 1.49	1.00	1.00	1.00	2.82E-05	vist-03 #3
42	150.00	12.55	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	4.88E-05	vist-03 #4
43	150.00	29.76	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	8.24E-05	vist-03 #5
44	150.00	58.13	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	1.00E-04	vist-03 #6
45	150.00	100.47	4826.00	5334.00	5080.00	100	0.71 0.71	1.49	1.00	1.00	1.00	1.05E-03	vist-03 #7
46	150.00	1.57	7259.00	8019.00	7639.00	100 100	0.71	1.49	1.00	1.00	1.00	1.93E-04	vist-03 #8
47	150.00	3.72	7259.00	8019.00	7639.00 7639.00	100	0.71	1.49	1.00	1.00	1.00	6.29E-05	vist-03 #9
48	150.00	12.55	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	4.53E-05	vist-03 #10
49	150.00	29.76	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	2.83E-05	vist-03 #11
50	150.00	58.13	7259.00	8019.00	1057.00	,,,,	V	,					

	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	C Load1	alibra Load2	tion F Rpm1	actors. Rpm2	Torq	SqDev	Dataset/Test #
51	150.00	100.47	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	5.21E-05	vist-03 #12
52	150.00	1.57	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00 1.00	1.00	2.30E-03 6.71E-04	vist-03 #13 vist-03 #14
53 54	150.00 150.00	3.72 12.55	9688.00 9688.00	10708.00 10708.00	10198.00 10198.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00	1.00	9.91E-05	vist-03 #14 vist-03 #15
55	150.00	29.76	9688.00	10708.00	10198.00	92	0.71	1.49	1.00	1.00	1.00	8.04E-04	vist-03 #16
56	150.00	58.13	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	9.15E-05	vist-03x #1
57 58	150.00 150.00	100.47 58.13	9688.00 9688.00	10708.00 10708.00	10198.00 10198.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.09E-04 2.40E-05	vist-03x #2 vist-03z #1
59	150.00	100.47	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.86E-05	vist-03z #2
60	200.00	1.57	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	4.08E-03	vist-04 #1
61 62	200.00 200.00	3.72 12.55	4826.00 4826.00	5334.00 5334.00	5080.00 5080.00	100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.27E-04 2.43E-05	vist-04 #2 vist-04 #3
63	200.00	29.76	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	6.24E-05	vist-04 #4
64	200.00	58.13	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	8.49E-05	vist-04 #5
65 66	200.00 200.00	100.47 1.57	4826.00 7259.00	5334.00 8019.00	5080.00 7639.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	6.45E-05 6.48E-04	vist-04 #6 vist-04 #7
67	200.00	3.72	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	4.94E-05	vist-04 #8
68	200.00	12.55	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	8.97E-05	vist-04 #9
69	200.00	29.76	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	4.23E-05 4.22E-05	vist-04 #10 vist-04 #11
70 71	200.00 200.00	58.13 100.47	7259.00 7259.00	8019.00 8019.00	7639.00 7639.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	6.23E-05	vist-04 #11 vist-04 #12
72	200.00	1.57	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.60E-03	vist-04 #13
73	200.00	3.72	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	3.22E-04	vist-04 #14
74 75	200.00 200.00	12.55 29.76	9688.00 9688.00	10708.00 10708.00	10198.00 10198.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.55E-04 4.49E-05	vist-04 #15 vist-04 #16
76	200.00	58.13	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	4.02E-05	vist-04 #17
77	200.00	100.47	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	8.36E-05	vist-04 #18
78 79	250.00 250.00	0.46 1.57	4826.00 4826.00	5334.00 5334.00	5080.00 5080.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00	3.53E-03 5.25E-04	vist-05 #1 vist-05 #2
80	250.00	3.72	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	3.22E-04	vist-05 #3
81	250.00	12.55	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	7.04E-06	vist-05 #4
82 83	250.00 250.00	29.76 58.13	4826.00 4826.00	5334.00 5334.00	5080.00 5080.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.45E-05 1.80E-05	vist-05 #5 vist-05 #6
84	250.00	100.47	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	4.59E-05	vist-05 #7
85	250.00	0.46	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	3.56E-03	vist-05 #8
86 87	250.00 250.00	1.57 3.72	7259.00 7259.00	8019.00 8019.00	7639.00 7639.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	7.92E-04 2.97E-05	vist-05 #9 vist-05 #10
88	250.00	12.55	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	3.58E-05	vist-05 #11
89	250.00	29.76	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	2.05E-05	vist-05 #12
90	250.00	58.13	7259.00	8019.00	7639.00 7639.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	2.62E-05 4.48E-05	vist-05 #13 vist-05 #14
91 92	250.00 250.00	100.47 0.46	7259.00 9688.00	8019.00 10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.11E-02	vist-05 #15
93	250.00	1.57	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	9.44E-04	vist-05 #16
94	250.00	3.72	9688.00	10708.00	10198.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	3.10E-04 6.29E-05	vist-05 #17 vist-05 #18
95 96	250.00 250.00	12.55 29.76	9688.00 9688.00	10708.00 10708.00	10198.00 10198.00	100	0.71	1.49	1.00	1.00	1.00	3.46E-05	vist-05 #19
97	250.00	58.13	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	3.22E-05	vist-05 #20
98	250.00	100.47	9688.00	10708.00 5334.00	10198.00 5080.00	100 100	0.71 0.71	`1.49 1.49	1.00 1.00		1.00 1.00	4.55E-05 1.79E-02	vist-05 #21 vist-06 #1
99 100	300.00 300.00	0.46 1.57	4826.00 4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	4.39E-04	vist-06 #2
101	300.00	3.72	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	1.60E-04	vist-06 #3
102	300.00	12.55	4826.00	5334.00	5080.00	100	0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	7.02E-05 9.69E-06	vist-06 #4 vist-06 #5
103 104	300.00 300.00	29.76 58.13	4826.00 4826.00	5334.00 5334.00	5080.00 5080.00	100 100	0.71 0.71	1.49	1.00	1.00	1.00	2.41E-05	vist-06 #6
105	300.00	100.47	4826.00	5334.00	5080.00	100	0.71	1.49	1.00	1.00	1.00	2.32E-05	vist-06 #7
106	300.00	0.46	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	4.35E-03 7.57E-04	vist-06 #8 vist-06 #9
107 108	300.00 300.00	1.57 3.72	7259.00 7259.00	8019.00 8019.00	7639.00 7639.00	100 100	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	2.09E-04	vist-06 #10
109	300.00	12.55	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	3.97E-05	vist-06 #11
110	300.00	29.76	7259.00	8019.00	7639.00	100	0.71	1.49	1.00	1.00	1.00	1.15E-05	vist-06 #12
111 112	300.00 300.00	58.13 100.47	7259.00 7259.00	8019.00 8019.00	7639.00 7639.00	100 100	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.12E-05 9.30E-06	vist-06 #13 vist-06 #14
113	300.00	0.46	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.20E-02	vist-06 #15
114	300.00	1.57	9688.00	10708.00	10198.00	100		1.49	1.00	1.00	1.00	4.68E-04	vist-06 #16
115 116	300.00 300.00	3.72 12.55	9688.00 9688.00	10708.00 10708.00	10198.00 10198.00	100 100		1.49 1.49	1.00	1.00 1.00	1.00 1.00	3.75E-04 5.43E-05	vist-06 #17 vist-06 #18
117	300.00	29.76	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	5.41E-05	vist-06 #19
118	300.00	58.13	9688.00	10708.00	10198.00	100		1.49	1.00	1.00 1.00	1.00	2.28E-05 1.88E-05	vist-06 #20 vist-06 #21
119	300.00	100.47	9688.00	10708.00	10198.00	100	0.71	1.49	1.00	1.00	1.00	1.005-00	VIOL OU TEL

121 28 0.00 3.72 72.00 80.00 76.00 50 0.71 1.49 1.00 1.00 1.00 3.66-04 vist-07 #3 123 80.00 29.76 72.00 80.00 76.00 50 0.71 1.49 1.00 1.00 1.00 3.25E-03 vist-07 #3 125 80.00 100.47 72.00 80.00 76.00 50 0.71 1.49 1.00 1.00 1.00 7.81E-03 vist-07 #5 126 80.00 100.47 72.00 80.00 76.00 50 0.71 1.49 1.00 1.00 1.00 1.00 7.81E-03 vist-07 #5 127 80.00 3.75 144.00 160.00 152.00 50 0.71 1.49 1.00 1.00 1.00 1.00 1.40 1.00 127 80.00 3.75 144.00 160.00 152.00 50 0.71 1.49 1.00 1.00 1.00 1.00 2.65E-04 vist-07 #6 128 80.00 93.75 144.00 160.00 152.00 50 0.71 1.49 1.00 1.00 1.00 2.65E-04 vist-07 #6 130 80.00 58.13 144.00 160.00 152.00 50 0.71 1.49 1.00 1.00 1.00 2.72E-03 vist-07 #1 131 80.00 10.47 144.00 160.00 152.00 50 0.71 1.49 1.00 1.00 1.00 1.22E-02 vist-07 #1 133 80.00 3.75 325.00 360.00 342.50 50 0.71 1.49 1.00 1.00 1.00 1.22E-02 vist-07 #1 134 80.00 12.55 325.00 360.00 342.50 50 0.71 1.49 1.00 1.00 1.00 1.85E-04 vist-07 #1 135 80.00 80.13 325.00 360.00 342.50 50 0.71 1.49 1.00 1.00 1.00 1.85E-04 vist-07 #1 136 80.00 12.55 325.00 360.00 342.50 50 0.71 1.49 1.00 1.00 1.00 1.00 1.35E-04 vist-07 #1 136 80.00 12.55 325.00 360.00 342.50 50 0.71 1.49 1.00 1.00 1.00 1.05 1.35E-04 vist-07 #1 136 80.00 12.55 325.00 360.00 342.50 50 0.71 1.49 1.00 1.00 1.00 1.00 1.35E-04 vist-07 #1 137 80.00 12.55 325.00 360.00 342.50 50 0.71 1.49 1.00 1.00 1.00 1.00 1.35E-04 vist-07 #1 138 80.00 12.55 325.00 360.00 342.50 50 0.71 1.49 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0		Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts		Calibra Load2	tion F Rpm1		Torq	SqDev	Dataset/Test #
123 80,00 29,76 72,00 80,00 76,00 50 0,71 1,49 1,00 1,00 1,00 3,23E-03 vist-07 ## 125 80,00 100,47 72,00 80,00 76,00 50 0,71 1,49 1,00 1,00 1,00 1,00 1,44E-02 vist-07 ## 127 80,00 10,47 72,00 80,00 76,00 50 0,71 1,49 1,00 1,00 1,00 1,00 1,44E-02 vist-07 ## 127 80,00 1,57 144,00 160,00 152,00 50 0,71 1,49 1,00 1,00 1,00 1,00 1,44E-02 vist-07 ## 127 80,00 1,57 144,00 160,00 152,00 50 0,71 1,49 1,00 1,00 1,00 1,00 1,00 1,44E-02 vist-07 ## 127 80,00 1,57 144,00 160,00 152,00 50 0,71 1,49 1,00 1,00 1,00 1,00 1,00 1,44E-02 vist-07 ## 130 80,00 1,57 144,00 160,00 152,00 50 0,71 1,49 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,0	121	80.00	3.72	72.00	80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	3.46E-04	vist-07 #2
128 80,00 100,47 72,00 80,00 76,00 50 0.71 1.49 1.00 1.00 1.00 1.00 7.81E-03 vist-07 #5 128 80,00 1.57 144,00 160,00 152,00 50 0.71 1.49 1.00 1.00 1.00 1.00 1.31E-03 vist-07 #7 128 80,00 12.55 144,00 160,00 152,00 50 0.71 1.49 1.00 1.00 1.00 1.00 1.31E-03 vist-07 #7 128 80,00 12.55 144,00 160,00 152,00 50 0.71 1.49 1.00 1.00 1.00 2.24E-03 vist-07 #7 130 80,00 38.13 144,00 160,00 152,00 50 0.71 1.49 1.00 1.00 1.00 2.24E-03 vist-07 #10 133 80.00 38.13 144,00 160,00 152,00 50 0.71 1.49 1.00 1.00 1.00 2.24E-03 vist-07 #10 133 80.00 3.57 235.00 360,00 342.50 50 0.71 1.49 1.00		80.00												
125 80,00 100,47 72,00 80,00 75,00 70 1,149 1,00 1,00 1,00 1,00 1,44E-02 vist-07 #6 127 80,00 3,72 144,00 160,00 152,00 50 0,71 1,49 1,00 1,00 1,00 1,00 2,45E-04 vist-07 #8 128 80,00 3,72 144,00 160,00 152,00 50 0,71 1,49 1,00 1,00 1,00 2,26E-04 vist-07 #8 129 80,00 29,76 144,00 160,00 152,00 50 0,71 1,49 1,00 1,00 1,00 2,72E-03 vist-07 #8 131 80,00 36,15 140,00 160,00 152,00 50 0,71 1,49 1,00 1,00 1,00 1,00 2,72E-03 vist-07 #8 131 80,00 36,15 140,00 160,00 152,00 50 0,71 1,49 1,00 1,00 1,00 1,00 2,72E-03 vist-07 #11 132 80,00 3,72 135,00 360,00 342,50 50 0,71 1,49 1,00 1,00 1,00 1,00 1,85E-04 vist-07 #13 133 80,00 3,72 135,00 360,00 342,50 50 0,71 1,49 1,00 1,00 1,00 1,00 1,85E-04 vist-07 #15 138 80,00 12,55 325,00 360,00 342,50 50 0,71 1,49 1,00 1,00 1,00 1,00 1,31E-04 vist-07 #15 138 80,00 12,55 325,00 360,00 342,50 50 0,71 1,49 1,00 1,00 1,00 1,00 1,31E-04 vist-07 #15 138 80,00 10,47 325,00 360,00 342,50 50 0,71 1,49 1,00 1,00 1,00 1,00 1,31E-04 vist-07 #15 138 80,00 10,47 325,00 360,00 342,50 50 0,71 1,49 1,00 1,00 1,00 1,00 1,31E-04 vist-07 #15 138 80,00 10,47 325,00 360,00 342,50 50 0,71 1,49 1,00 1,00 1,00 1,00 1,31E-04 vist-07 #17 138 80,00 10,47 325,00 360,00 342,50 50 0,71 1,49 1,00 1,00 1,00 1,00 1,31E-04 vist-07 #17 138 80,00 10,47 325,00 360,00 342,50 50 0,71 1,49 1,00 1,00 1,00 1,00 1,31E-04 vist-07 #17 138 80,00 1,00 1,00 1,00 1,00 1,00 1,00 1,														
126 80,00 1.57 144,00 160,00 152,00 50 0.71 1.49 1.00 1.00 1.00 1.00 1.31E-03 vist-07 #7 128 80,00 12.55 144,00 160,00 152,00 50 0.71 1.49 1.00 1.00 1.00 2.62E-03 vist-07 #9 130 80,00 38.13 144,00 160,00 152,00 50 0.71 1.49 1.00 1.00 1.00 2.62E-03 vist-07 #9 130 80,00 38.13 144,00 160,00 152,00 50 0.71 1.49 1.00 1.00 1.00 2.22E-02 vist-07 #11 130 80,00 3.72 132,00 360,00 34.25 50 0.71 1.49 1.00 1.00 1.00 1.22E-02 vist-07 #11 131 80,00 10.47 325,00 360,00 342.50 50 0.71 1.49 1.00 1.00 1.00 6.76E-05 vist-07 #15 133 80.00 2.75 325,00 360,00 342.50 50 0.71 1.49 1.00 1.00 1.00 6.76E-05 vist-07 #16 138 80.00 2.75 325,00 360,00 342.50 50 0.71 1.49 1.00 1.00 1.00 6.76E-05 vist-07 #16 138 80.00 3.72 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 1.00 7.85E-04 vist-07 #16 138 80.00 3.72 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 1.00 7.85E-04 vist-07 #18 138 80.00 3.72 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 1.00 5.8E-05 vist-07 #19 139 80.00 3.72 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 5.8E-05 vist-07 #20 414 80.00 2.75 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 5.8E-05 vist-07 #20 414 80.00 2.75 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 5.8E-05 vist-07 #20 414 80.00 3.72 1197.00 1323.00 260.00 50 0.71 1.49 1.00 1.00 1.00 6.28E-05 vist-07 #20 414 80.00 3.75 417.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 6.28E-05 vist-07 #20 414 80.00 3.75 1197.00 1323.00 260.00 50 0.71 1.49 1.00 1.00 1.00 6.28E-05 vist-07 #20 414 80.00 3.75 1197.00 1323.00 260.00 50 0.71														
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173 100.00 100.47 325.00 360.00 342.50 50 0.71 1.49 1.00 1.00 1.00 4.07E-04 vist-08 #18 174 100.00 1.57 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 3.21E-04 vist-08 #19 175 100.00 3.72 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 7.45E-05 vist-08 #20 176 100.00 12.55 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 4.45E-05 vist-08 #21 177 100.00 29.76 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 4.45E-05 vist-08 #22 178 100.00 58.13 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 1.26E-04 vist-08 #23 179 100.00 100.47 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 1.26E-04 vist-08 #23 179 100.00 100.47 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 7.67E-04 vist-08 #24 180 100.00 1.57 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 3.59E-04 vist-08 #25 181 100.00 3.72 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 1.48E-04 vist-08 #25 183 100.00 29.76 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 9.00E-05 vist-08 #27 183 100.00 29.76 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 6.30E-05 vist-08 #28 184 100.00 58.13 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 6.30E-05 vist-08 #28 184 100.00 58.13 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 6.30E-05 vist-08 #28 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 6.30E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 8.78E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 8.78E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 8.78E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 8.78E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 8.78E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 8.78E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 8.78E-05 vist-08 #30														
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175 100.00 3.72 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 7.45E-05 vist-08 #20 176 100.00 12.55 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 4.45E-05 vist-08 #21 177 100.00 29.76 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 1.24E-04 vist-08 #22 178 100.00 58.13 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 1.26E-04 vist-08 #23 179 100.00 10.47 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 1.26E-04 vist-08 #23 180 100.00 1.57 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 7.67E-04 vist-08 #25 181 100.00 3.72 <td></td>														
177 100.00 29.76 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.24E-04 vist-08 #22 178 100.00 58.13 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.26E-04 vist-08 #23 179 100.00 100.47 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 7.67E-04 vist-08 #24 180 100.00 1.57 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 3.59E-04 vist-08 #25 181 100.00 3.72 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.48E-04 vist-08 #26 182 100.00 12.55 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 9.00E-05 vist-08 #27 183 100.00 29.76 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>649.50</td><td></td><td></td><td></td><td>1.00</td><td></td><td></td><td></td><td></td></td<>						649.50				1.00				
178 100.00 58.13 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 1.26E-04 vist-08 #23 179 100.00 100.47 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 1.00 7.67E-04 vist-08 #24 180 100.00 1.57 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 3.59E-04 vist-08 #25 181 100.00 3.72 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 1.48E-04 vist-08 #26 182 100.00 12.55 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 9.00E-05 vist-08 #27 183 100.00 29.76 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 6.30E-05 vist-08 #28 184 100.00 58.13 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 1.61E-05 vist-08 #28 184 100.00 58.13 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.61E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 8.78E-05 vist-08 #30														
179 100.00 100.47 617.00 682.00 649.50 50 0.71 1.49 1.00 1.00 7.67E-04 vist-08 #24 180 100.00 1.57 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 3.59E-04 vist-08 #25 181 100.00 3.72 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 1.48E-04 vist-08 #25 182 100.00 12.55 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 9.00E-05 vist-08 #27 183 100.00 29.76 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 6.30E-05 vist-08 #28 184 100.00 58.13 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 1.61E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 8.78E-05 vist-08 #30														
180 100.00 1.57 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 3.59E-04 vist-08 #25 181 100.00 3.72 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 1.48E-04 vist-08 #26 182 100.00 12.55 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 9.00E-05 vist-08 #27 183 100.00 29.76 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 6.30E-05 vist-08 #28 184 100.00 58.13 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 1.61E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 8.78E-05 vist-08 #30														vist-08 #25
181 100.00 3.72 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.48E-04 vist-08 #26 182 100.00 12.55 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 9.00E-05 vist-08 #27 183 100.00 29.76 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 6.30E-05 vist-08 #28 184 100.00 58.13 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.00 1.61E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 8.78E-05 vist-08 #30														
183 100.00 29.76 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 6.30E-05 vist-08 #28 184 100.00 58.13 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.61E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 8.78E-05 vist-08 #30	181	100.00	3.72	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00		
184 100.00 58.13 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 1.61E-05 vist-08 #29 185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 8.78E-05 vist-08 #30														
185 100.00 100.47 1197.00 1323.00 1260.00 50 0.71 1.49 1.00 1.00 1.00 8.78E-05 vist-08 #30														
	186	100.00	1.57	2431.00	2687.00	2559.00	50			1.00		1.00	9.17E-04	vist-08 #31
187 100.00 3.72 2431.00 2687.00 2559.00 50 0.71 1.49 1.00 1.00 1.00 2.31E-04 vist-08 #32	187	100.00	3.72	2431.00	2687.00	2559.00	50	0.71						
188 100.00 12.55 2431.00 2687.00 2559.00 50 0.71 1.49 1.00 1.00 1.00 2.56E-05 vist-08 #33 189 100.00 29.76 2431.00 2687.00 2559.00 50 0.71 1.49 1.00 1.00 1.00 4.74E-05 vist-08 #34														
189 100.00 29.76 2431.00 2687.00 2559.00 50 0.71 1.49 1.00 1.00 1.00 4.74E-05 vist-08 #34 190 100.00 58.13 2431.00 2687.00 2559.00 50 0.71 1.49 1.00 1.00 1.00 4.15E-05 vist-08 #35														

	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts		Calibra Load2		actors Rpm2	Torq	SqDev	Dataset/Test #
191	100.00	100.47	2431.00	2687.00	2559.00	50	0.71	1.49	1.00	1.00	1.00	1.10E-04	vist-08 #36
192 193	150.00 150.00	1.57 3.72	72.00 72.00	80.00 80.00	76.00 76.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00	3.75E-03 2.44E-03	vist-09 #1 vist-09 #2
194	150.00	12.55	72.00	80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	1.31E-02	vist-09 #3
195	150.00	29.76	72.00	80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	4.26E-02	vist-09 #4
196 197	150.00 150.00	58.13 100.47	72.00 72.00	80.00 80.00	76.00 76.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.65E-02 6.14E-03	vist-09 #5 vist-09 #6
198	150.00	1.57	144.00	160.00	152.00	50	0.71	1.49	1.00	1.00	1.00	4.38E-04	vist-09 #7
199	150.00	3.72	144.00	160.00	152.00	50	0.71	1.49	1.00	1.00	1.00	5.49E-04	vist-09 #8
200	150.00	12.55 29.76	144.00 144.00	160.00 160.00	152.00 152.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	4.21E-03 1.42E-03	vist-09 #9 vist-09 #10
201 202	150.00 150.00	58.13	144.00	160.00	152.00	50	0.71	1.49	1.00	1.00	1.00	4.92E-03	vist-09 #10
203	150.00	100.47	144.00	160.00	152.00	50	0.71	1.49	1.00	1.00	1.00	2.54E-03	vist-09 #12
204	150.00	1.57	325.00	360.00	342.50	50	0.71	1.49	1.00	1.00	1.00	2.53E-03	vist-09 #13
205 206	150.00 150.00	3.72 12.55	325.00 325.00	360.00 360.00	342.50 342.50	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	9.74E-05 1.85E-04	vist-09 #14 vist-09 #15
207	150.00	29.76	325.00	360.00	342.50	50	0.71	1.49	1.00	1.00	1.00	3.68E-04	vist-09 #16
208	150.00	58.13	325.00	360.00	342.50	50	0.71	1.49	1.00	1.00	1.00	4.25E-04	vist-09 #17
209	150.00	100.47	325.00	360.00	342.50	50	0.71	1.49	1.00	1.00 1.00	1.00	7.08E-05 1.25E-03	vist-09 #18 vist-09 #19
210 211	150.00 150.00	1.57 3.72	617.00 617.00	682.00 682.00	649.50 649.50	50 50	0.71 0.71	1.49 1.49	1.00	1.00	1.00	5.28E-05	vist-09 #19
212	150.00	12.55	617.00	682.00	649.50	50	0.71	1.49	1.00	1.00	1.00	7.31E-06	vist-09 #21
213	150.00	29.76	617.00	682.00	649.50	50	0.71	1.49	1.00	1.00	1.00	7.15E-05	vist-09 #22 vist-09 #23
214 215	150.00 150.00	58.13 100.47	617.00 617.00	682.00 682.00	649.50 649.50	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.55E-04 6.62E-05	vist-09 #23
216	150.00	1.57	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00	4.38E-04	vist-09 #25
217	150.00	3.72	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00	4.09E-05	vist-09 #26
218 219	150.00 150.00	12.55 29.76	1197.00 1197.00	1323.00 1323.00	1260.00 1260.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	8.80E-06 3.23E-05	vist-09 #27 vist-09 #28
220	150.00	58.13	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00	1.04E-04	vist-09 #29
221	150.00	100.47	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00	9.92E-05	vist-09 #30
222 223	150.00 150.00	1.57 3.72	2431.00 2431.00	2687.00 2687.00	2559.00 2559.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.09E-04 5.53E-05	vist-09 #31 vist-09 #32
224	150.00	12.55	2431.00	2687.00	2559.00	50	0.71	1.49	1.00	1.00	1.00	1.98E-05	vist-09 #33
225	150.00	29.76	2431.00	2687.00	2559.00	50	0.71	1.49	1.00	1.00	1.00	3.92E-05	vist-09 #34
226	150.00	58.13	2431.00	2687.00 2687.00	2559.00 2559.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	4.06E-05 2.15E-05	vist-09 #35 vist-09 #36
227 228	150.00 200.00	100.47 1.57	2431.00 72.00	80.00	76.00	- 50	0.71	1.49	1.00	1.00	1.00	3.99E-03	vist-10 #1
229	200.00	3.72	72.00	80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	2.13E-03	vist-10 #2
230	200.00	12.55	72.00	80.00	76.00 76.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00	9.16E-03 4.06E-02	vist-10 #3 vist-10 #4
231 232	200.00	29.76 58.13	72.00 72.00	80.00 80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	4.72E-02	vist-10 #5
233	200.00	100.47	72.00	80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	9.66E-02	vist-10 #6
234	200.00	1.57	144.00	160.00	152.00	50	0.71	1.49	1.00 1.00	1.00 1.00	1.00 1.00	3.05E-03 1.11E-03	vist-10 #7 vist-10 #8
235 236	200.00	3.72 12.55	144.00 144.00	160.00 160.00	152.00 152.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00	1.00	2.23E-03	vist-10 #9
237	200.00	29.76	144.00	160.00	152.00	50	0.71	1.49	1.00	1.00	1.00	3.72E-03	vist-10 #10
238	200.00	58.13	144.00	160.00	152.00	50	0.71	1.49	1.00	1.00	1.00	6.88E-03	vist-10 #11
239 240	200.00	100.47 1.57	144.00 325.00	160.00 360.00	152.00 342.50	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.96E-02 1.64E-03	vist-10 #12 vist-10 #13
241	200.00	3.72	325.00	360.00	342.50	50	0.71	1.49	1.00	1.00	1.00	9.21E-04	vist-10 #14
242	200.00	12.55	325.00	360.00	342.50	50	0.71	1.49	1.00	1.00	1.00	8.45E-05	vist-10 #15
243 244	200.00	29.76 58.13	325.00 325.00	360.00 360.00	342.50 342.50	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.31E-04 4.17E-04	vist-10 #16 vist-10 #17
245	200.00	100.47	325.00	360.00	342.50	50	0.71	1.49	1.00	1.00	1.00	5.39E-04	vist-10 #18
246	200.00	1.57	617.00	682.00	649.50	50	0.71	1.49	1.00	1.00	1.00	5.56E-04	vist-10 #19
247 248	200.00	3.72 12.55	617.00 617.00	682.00 682.00	649.50 649.50	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	3.62E-05 3.06E-05	vist-10 #20 vist-10 #21
249	200.00	29.76	617.00	682.00	649.50	50	0.71	1.49	1.00	1.00	1.00	1.79E-04	vist-10 #22
250	200.00	58.13	617.00	682.00	649.50	50	0.71	1.49	1.00	1.00	1.00	1.29E-04	vist-10 #23
251 252	200.00	100.47 1.57	617.00 1197.00	682.00 1323.00	649.50 1260.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.28E-04 2.39E-04	vist-10 #24 vist-10 #25
253	200.00	3.72	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00	4.89E-05	vist-10 #26
254	200.00	12.55	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00	4.22E-05	vist-10 #27
255 256	200.00	29.76 58.13	1197.00 1197.00	1323.00 1323.00	1260.00 1260.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	6.61E-06 1.04E-04	vist-10 #28 vist-10 #29
257	200.00	100.47	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00	7.85E-05	vist-10 #30
258	200.00	1.57	2431.00	2687.00	2559.00	50	0.71	1.49	1.00	1.00	1.00	4.35E-04	vist-10 #31
259 260	200.00	3.72 12.55	2431.00 2431.00	2687.00 2687.00	2559.00 2559.00	50 50	0.71 0.71	1.49 1.49	1.00		1.00 1.00	1.00E-04 2.54E-05	vist-10 #32 vist-10 #33
200	200.00	15.77	2431.00	2007.00	2339.00	,,,	0.11	,					

	Temp F	Load lbf	Rpm1	Rpm2	RollRpm	Pts	0 Load1		tion F Rpm1		Torq	SqDev	Dataset/Test #
261 262	200.00	29.76 58.13	2431.00 2431.00	2687.00 2687.00	2559.00 2559.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.40E-05 5.93E-05	vist-10 #34 vist-10 #35
263	200.00	100.47	2431.00	2687.00	2559.00	50	0.71	1.49	1.00	1.00	1.00	1.12E-04	vist-10 #36
264	250.00	1.57	72.00	80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	3.57E-03	vist-11 #1
265	250.00	3.72	72.00	80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	7.82E-03	vist-11 #2
266 267	250.00 250.00	12.55 29.76	72.00 72.00	80.00 80.00	76.00 76.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.56E-02 2.88E-02	vist-11 #3 vist-11 #4
268	250.00	58.13	72.00	80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	7.01E-02	vist-11 #5
269	250.00	100.47	72.00	80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	6.56E-03	vist-11 #6
270	250.00	1.57	144.00	160.00	152.00	50	0.71	1-49	1.00	1.00	1.00	4.66E-03	vist-11 #7
271 272	250.00 250.00	3.72 12.55	144.00 144.00	160.00 160.00	152.00 152.00	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.33E-03 2.71E-03	vist-11 #8 vist-11 #9
273	250.00	29.76	144.00	160.00	152.00	50	0.71	1.49	1.00	1.00	1.00	9.76E-03	vist-11 #10
274	250.00	58.13	144.00	160.00	152.00	50	0.71	1.49	1.00	1.00	1.00	3.29E-03	vist-11 #11
275	250.00	100.47	144.00	160.00	152.00	50 50	0.71	1.49	1.00	1.00	1.00	1.91E-03 2.76E-04	vist-11 #12
276 277	250.00 250.00	1.57 3.72	325.00 325.00	360.00 360.00	342.50 342.50	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	2.76E-04 2.58E-04	vist-11 #13 vist-11 #14
278	250.00	12.55	325.00	360.00	342.50	50	0.71	1.49	1.00	1.00	1.00	9.90E-05	vist-11 #15
279	250.00	29.76	325.00	360.00	342.50	50	0.71	1.49	1.00	1.00	1.00	3.76E-04	vist-11 #16
280	250.00	58.13	325.00	360.00	342.50 342.50	50	0.71	1.49	1.00	1.00	1.00	5.85E-04	vist-11 #17
281 282	250.00 250.00	100.47 1.57	325.00 617.00	360.00 682.00	649.50	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	2.29E-04 1.27E-04	vist-11 #18 vist-11 #19
283	250.00	3.72	617.00	682.00	649.50	50	0.71	1.49	1.00	1.00	1.00	1.50E-04	vist-11 #20
284	250.00	12.55	617.00	682.00	649.50	50	0.71	1.49	1.00	1.00	1.00	9.22E-05	vist-11 #21
285	250.00	29.76	617.00	682.00	649.50	50	0.71	1.49	1.00	1.00	1.00	5.48E-05	vist-11 #22
286 287	250.00 250.00	58.13 100.47	617.00 617.00	682.00 682.00	649.50 649.50	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.63E-04 9.97E-05	vist-11 #23 vist-11 #24
288	250.00	1.57	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00	7.87E-04	vist-11 #25
289	250.00	3.72	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00	3.53E-05	vist-11 #26
290 291	250.00 250.00	12.55 29.76	1197.00 1197.00	1323.00 1323.00	1260.00 1260.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.27E-05 1.62E-05	vist-11 #27 vist-11 #28
292	250.00	58.13	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00	1.25E-04	vist-11 #28
293	250.00	100.47	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00	2.55E-04	vist-11 #30
294	250.00	1.57	2431.00	2687.00	2559.00	50	0.71	1.49	1.00	1.00	1.00	3.35E-04	vist-11 #31
295 296	250.00 250.00	3.72 12.55	2431.00 2431.00	2687.00 2687.00	2559.00 2559.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	1.27E-04 5.64E-05	vist-11 #32 vist-11 #33
297	250.00	29.76	2431.00	2687.00	2559.00	50	0.71	1.49	1.00	1.00	1.00	1.93E-05	vist-11 #34
298	250.00	58.13	2431.00	2687.00	2559.00	50	0.71	1.49	1.00	1.00	1.00	3.29E-05	vist-11 #35
299 300	250.00 300.00	100.47 1.57	2431.00 72.00	2687.00 80.00	2559.00 76.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	7.70E-05 1.17E-02	vist-11 #36 vist-12 #1
300 301	300.00	3.72	72.00	80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	2.50E-03	vist-12 #2
302	300.00	12.55	72.00	80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	7.21E-03	vist-12 #3
303	300.00	29.76	72.00	80.00	76.00	50	0.71	1.49	1.00	1.00	1.00	2.55E-02	vist-12 #4
304 305	300.00 300.00	58.13 100.47	72.00 72.00	80.00 80.00	76.00 76.00	50 50	0.71 0.71	1.49 1.49	1.00	1.00 1.00	1.00 1.00	2.12E-02 1.10E-02	vist-12 #5 vist-12 #6
306	300.00	1.57	144.00	160.00	152.00	50	0.71	1.49	1.00	1.00	1.00	1.27E-03	vist-12 #7
307	300.00	3.72	144.00	160.00	152.00	50	0.71	1.49	1.00	1.00	1.00	7.71E-04	vist-12 #8
308	300.00	12.55	144.00	160.00	152.00 152.00	50 50	0.71	1.49	1.00	1.00 1.00	1.00 1.00	6.51E-04 4.53E-03	vist-12 #9
309 310	300.00	29.76 58.13	144.00 144.00	160.00 160.00	152.00	50		1.49	1.00	1.00	1.00	3.90E-03	vist-12 #10 vist-12 #11
311	300.00	100.47	144.00	160.00	152.00	50	0.71	1.49	1.00	1.00	1.00	4.08E-03	vist-12 #12
312	300.00	1.57	325.00	360.00	342.50	50	0.71	1.49	1.00	1.00	1.00	1.55E-02	vist-12 #13
313 314	300.00 300.00	3.72 12.55	325.00 325.00	360.00 360.00	342.50 342.50	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	1.12E-04 8.30E-05	vist-12 #14 vist-12 #15
315	300.00	29.76	325.00	360.00	342.50	50		1.49	1.00	1.00	1.00	2.17E-04	vist-12 #16
316	300.00	58.13	325.00	360.00	342.50	50		1.49	1.00	1.00	1.00	1.73E-04	vist-12 #17
317	300.00	100.47	325.00	360.00	342.50 649.50	50		1.49	1.00	1.00	1.00	2.68E-04 4.27E-04	vist-12 #18 vist-12 #19
318 319	300.00 300.00	1.57 3.72	617.00 617.00	682.00 682.00	649.50	50 50	0.71 0.71	1.49 1.49	1.00 1.00	1.00 1.00	1.00 1.00	5.91E-05	vist-12 #19
320	300.00	12.55	617.00	682.00	649.50	50	0.71	1.49	1.00	1.00	1.00	1.25E-04	vist-12 #21
321	300.00	29.76	617.00	682.00	649.50	50		1.49	1.00	1.00	1.00	6.22E-05	vist-12 #22
322 323	300.00 300.00	58.13 100.47	617.00 617.00	682.00 682.00	649.50 649.50	50 50		1.49 1.49	1.00	1.00	1.00 1.00	3.11E-04 8.38E-05	vist-12 #23 vist-12 #24
324	300.00	1.57	1197.00	1323.00	1260.00	50		1.49	1.00	1.00	1.00	1.36E-04	vist-12 #25
325	300.00	3.72	1197.00	1323.00	1260.00	50		1.49	1.00	1.00	1.00	7.59E-05	vist-12 #26
326 327	300.00	12.55	1197.00	1323.00 1323.00	1260.00	50 50		1.49	1.00	1.00	1.00 1.00	3.61E-05 5.47E-05	vist-12 #27
327 328	300.00 300.00	29.76 58.13	1197.00 1197.00	1323.00	1260.00 1260.00	50 50		1.49 1.49	1.00	1.00	1.00	4.02E-05	vist-12 #28 vist-12 #29
329	300.00	100.47	1197.00	1323.00	1260.00	50	0.71	1.49	1.00	1.00	1.00	6.29E-05	vist-12 #30
330	300.00	1.57	2431.00	2687.00	2559.00	50	0.71	1.49	1.00	1.00	1.00	7.94E-04	vist-12 #31

Data set: CC 89-180 Vistalube 7continued

	Temp	Load	Rpm1	Rpm2	RollRpm	PtsCalibration Factors						SqDev	Dataset/Test #
	F	lbf		•	•		Load1	Load2	Rpm1	Rpm2	Torq	·	
332 333	300.00 300.00 300.00	29.76	2431.00 2431.00 2431.00	2687.00 2687.00 2687.00	2559.00 2559.00 2559.00	50 50	0.71 0.71	1.49 1.49 1.49	1.00 1.00	1.00 1.00	1.00	3.72E-05 1.21E-05	vist-12 #32 vist-12 #33 vist-12 #34 vist-12 #35
	300.00 300.00	58.13 100.47	2431.00 2431.00	2687.00 2687.00	2559.00 2559.00			1.49 1.49					vist-12 #36

Filename	Temp	RollRpm	DataCurve #
cc1.dat	80.00	650.00	140 141 142 143
cc2.dat	80.00	1260.00	146 147 148 149
cc3.dat	80.00	2559.00	152 153 154 155
cc4.dat	80.00	5080.00	4 5 6 7
cc5.dat	80.00	7639.00	11 12 13 14
cc6.dat	80.00	10198.00	18 19 20 21
cc7.dat	100.00	650.00	176 177 178 179
cc8.dat	100.00	1260.00	182 183 184 185
cc9.dat	100.00	2559.00	188 189 190 191
cc10.dat	100.00	5080.00	24 25 26 27
cc11.dat	100.00	7639.00	30 31 32 33
cc12.dat	100.00	10198.00	36 37 38 39
cc13.dat	150.00	650.00	212 213 214 215
cc14.dat	150.00	1260.00	218 219 220 221
cc15.dat	150.00	2559.00	224 225 226 227
cc16.dat	150.00	5080.00	42 43 44 45
cc17.dat	150.00	7639.00	48 49 50 51
cc18.dat	150.00	10198.00	54 55 58 59
cc19.dat	200.00	650.00	248 249 250 251
cc20.dat	200.00	1260.00	254 255 256 257
cc21.dat	200.00	2559.00	260 261 262 263
cc22.dat	200.00	5080.00	62 63 64 65
cc23.dat	200.00	7639.00	68 69 70 71
cc24.dat	200.00	10198.00	74 75 76 77
cc25.dat	250.00	650.00	284 285 286 287
cc26.dat	250.00	1260.00	290 291 292 293
cc27.dat	250.00	2559.00	296 297 298 299
cc28.dat	250.00	5080.00	81 82 83 84
cc29.dat	250.00	7639.00	88 89 90 91
cc30.dat	250.00	10198.00	95 96 97 98
cc31.dat	300.00	650.00	320 321 322 323
cc32.dat	300.00	1260.00	326 327 328 329
cc33.dat	300.00	2559.00	332 333 334 335
cc34.dat	300.00	5080.00	102 103 104 105 109 110 111 112
cc35.dat	300.00	7639.00	109 110 111 112 116 117 118 119
cc36.dat	300.00	10198.00	110 111 110 119

